

# Broward County

## VOLUME 2B: SOUTH FLORIDA

## Key to site locations on figure # 12

## BROWARD COUNTY

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	260010080085001	F 291	64	31	255919080091203	G 2410	61
2	260545080082001	G 561	89	32	260041080093101	G 2425	69
3	260515080202101	G 617	86	33	260041080093102	G 2426	70
4	261434080071901	G 853	114	34	260120080093401	G 2441	74
5	261100080140401	G 1212	107	35	261446080062801	G 2445	116
6	261734080111301	G 1213	123	36	255936080091701	G 2477	62
7	260752080084701	G 1220	99	37	255936080091702	G 2478	63
8	260458080134801	G 1221	85	38	260155080092002	G 2612	75
9	260219080141101	G 1223	76	39	261724080054603	G 2694	122
10	260032080135701	G 1225	67	40	261831080151301	G 2739	125
11	260053080105701	G 1226	71	41	261643080055901	G 2752	120
12	261122080083401	G 1232	108	42	260241080112701	G 2785	77
13	261903080065601	G 1260	126	43	261938080101001	G 2852	127
14	261708080090801	G 1315	121	44	261641080064801	G 2866	119
15	261441080111301	G 1316	115	45	261740080054101	G 2893	124
16	255916080090401	G 1435	58	46	261304080072501	G 2896	111
17	255918080091801	G 1473	59	47	261030080083301	G 2897	105
18	255807080224301	G 1636	54	48	260920080092201	G 2898	103
19	261534080165801	G 2031	118	49	260804080092701	G 2899	100
20	260821080185101	G 2032	102	50	260325080113901	G 2900	79
21	261141080163401	G 2033	109	51	260737080103302	G 2901R	97
22	260653080184901	G 2034	95	52	260638080104801	G 2902	93
23	260040080104401	G 2035	68	53	255843080090901	G 2903	55
24	261501080060701	G 2147	117	54	260534080110801	G 2904	87
25	261403080070801	G 2149	113	55	260101080091501	G 2906	72
26	260342080115902	G 2264	84	56	260326080120301	G 2921	82
27	255910080085802	G 2294	57	57	260026080095801	G 2956	65
28	260547080105801	G 2352	90	58	260551080111901	G 2957	91
29	261147080114501	G 2395	110	59	260657080122301	S 329	96
30	255919080091202	G 2409	60				

VOLUME 2B: SOUTH FLORIDA

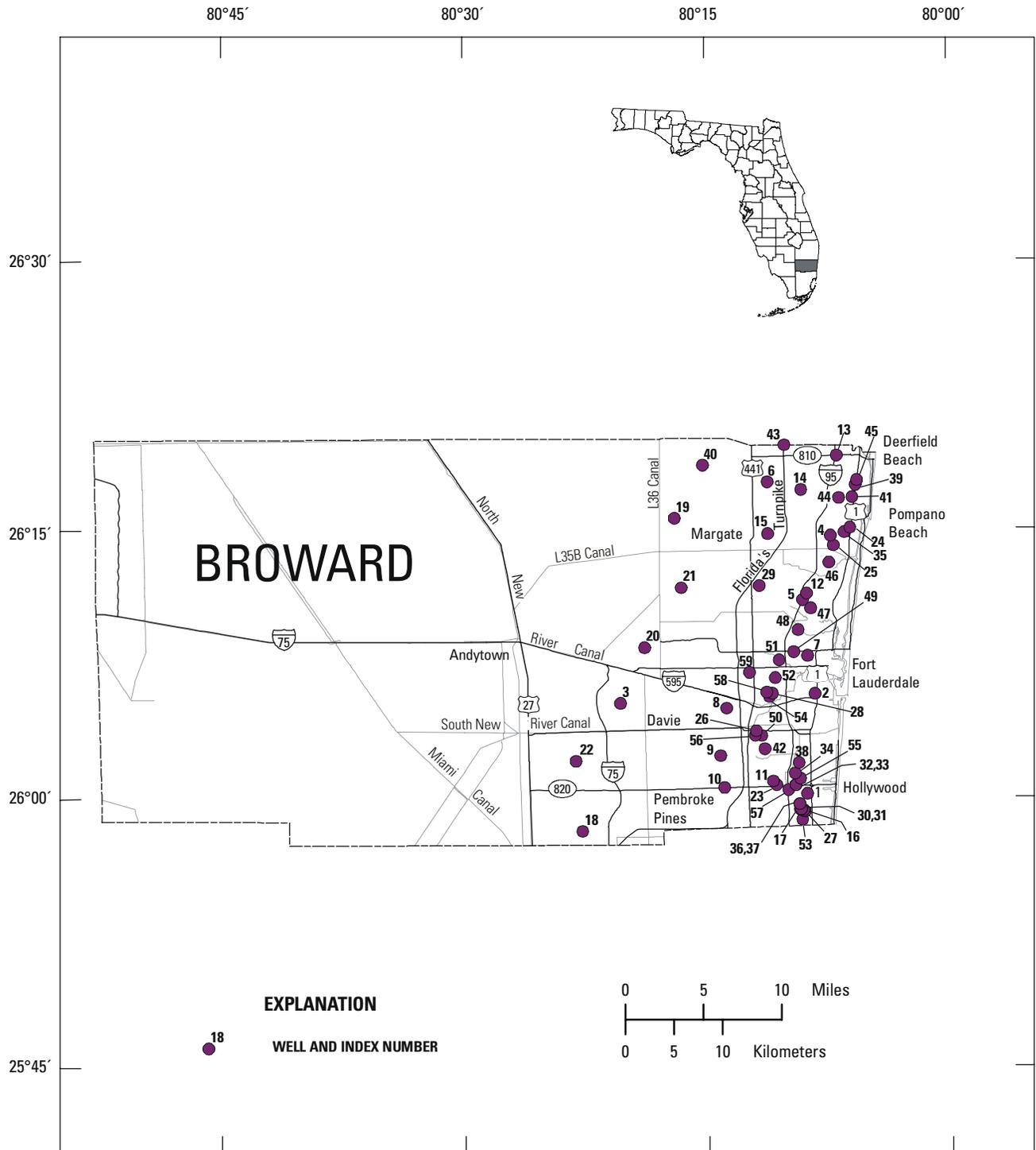


Figure 13: Location of wells on Broward County

BROWARD COUNTY

WELL NUMBER.--255807080224301. Local Number G 1636. USGS Observation Well in Miramar, FL.

LOCATION.--Lat 25°58'07", long 80°22'43", in SW 1/4 NE 1/4 NE 1/4 sec.31, T.51 S., R.40 E., Hydrologic Unit 03090202, at radio towers west of SW 172nd Avenue, 3 mi south of State Road 820, 4 mi west of Flamingo Road, and 5.8 mi northwest of Carol City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 24 ft, cased to 24 ft.  
 REVISED RECORDS.--WDR FL-85-2B: 1979.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.17 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.0 ft above NGVD. (Corrected).

REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

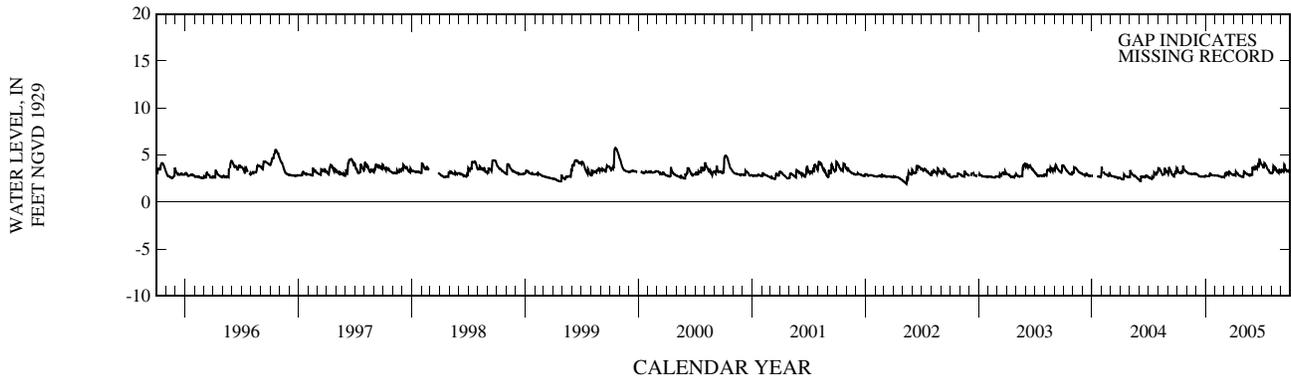
PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.77 ft NGVD, Oct. 18, 1999; lowest, 1.79 ft NGVD, May 23, 1985 and June 2, 1992.

REVISIONS.--Revised figures of elevation, in feet NGVD, for the year 2004, superseding those published in WDR FL-04-2B are given below:

ELEVATION ABOVE NGVD 1929, FEET  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.25	3.08	2.94	2.76	2.83	2.89	2.84	3.25	3.63	3.81	3.15	3.35
10	3.12	3.02	2.76	2.76	2.81	3.15	3.14	3.07	3.77	4.08	3.53	3.46
15	3.24	3.01	2.73	3.04	2.74	2.97	2.97	2.97	3.54	3.86	3.47	3.47
20	3.89	2.99	2.72	2.87	2.68	3.14	2.81	2.85	4.10	3.46	3.29	3.36
25	3.41	3.03	2.74	2.84	2.67	2.98	2.73	2.84	4.39	3.22	3.41	3.24
EOM	3.21	2.97	2.80	2.84	2.69	2.86	2.67	2.93	3.97	3.08	3.23	3.28
MAX	3.89	3.19	2.99	3.04	2.83	3.25	3.23	3.26	4.54	4.13	3.85	4.01



BROWARD COUNTY—Continued

WELL NUMBER.--255843080090901. Local Number G 2903. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°58'44", long 80°09'09", in SE ¼ NE ¼ SE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 44 ft south of transmit lift station on the east side of SW 4th Avenue and north of SE 6th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 155.5 ft, cased to 145.5 ft, screened 145.5 to 155.5 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Measuring point: Top of casing, 5.06 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.1 ft above NGVD.

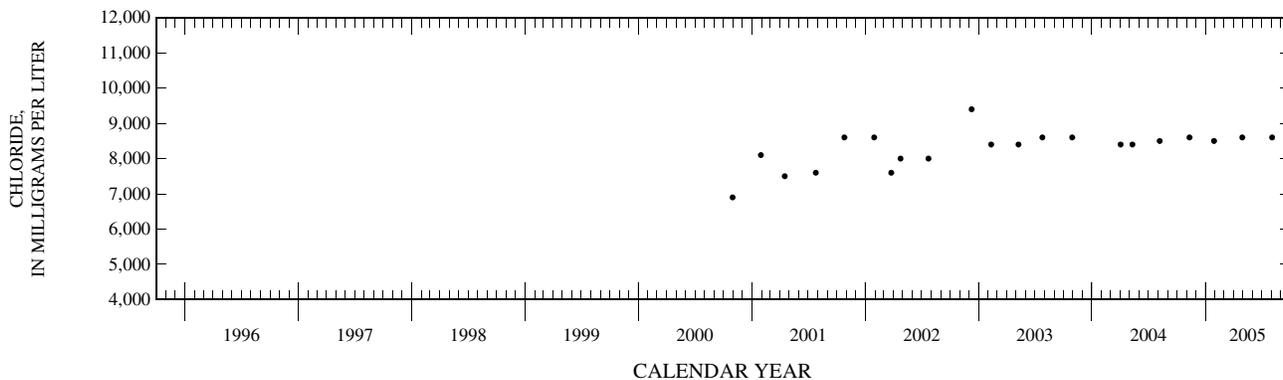
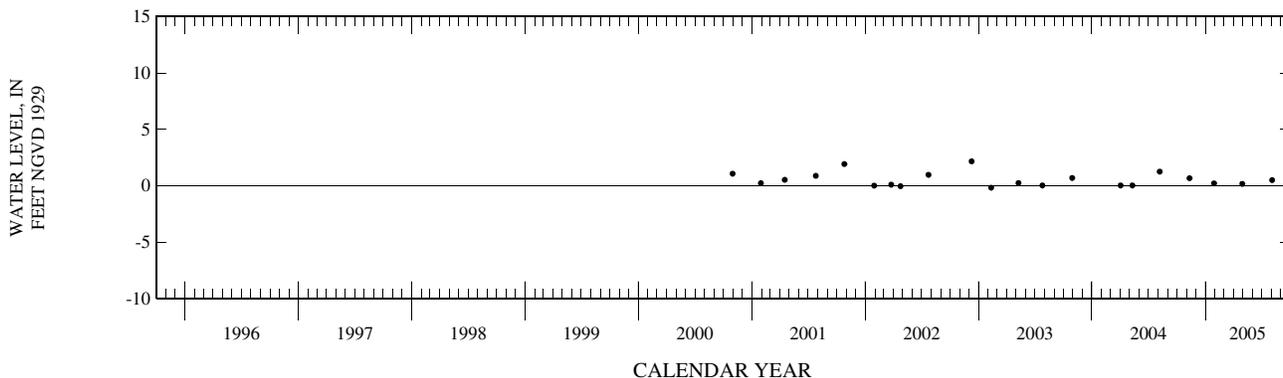
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Quarterly water-level measurements began in October 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.17 ft NGVD, Dec. 9, 2002; lowest, 0.16 ft below NGVD, Feb. 10, 2003.

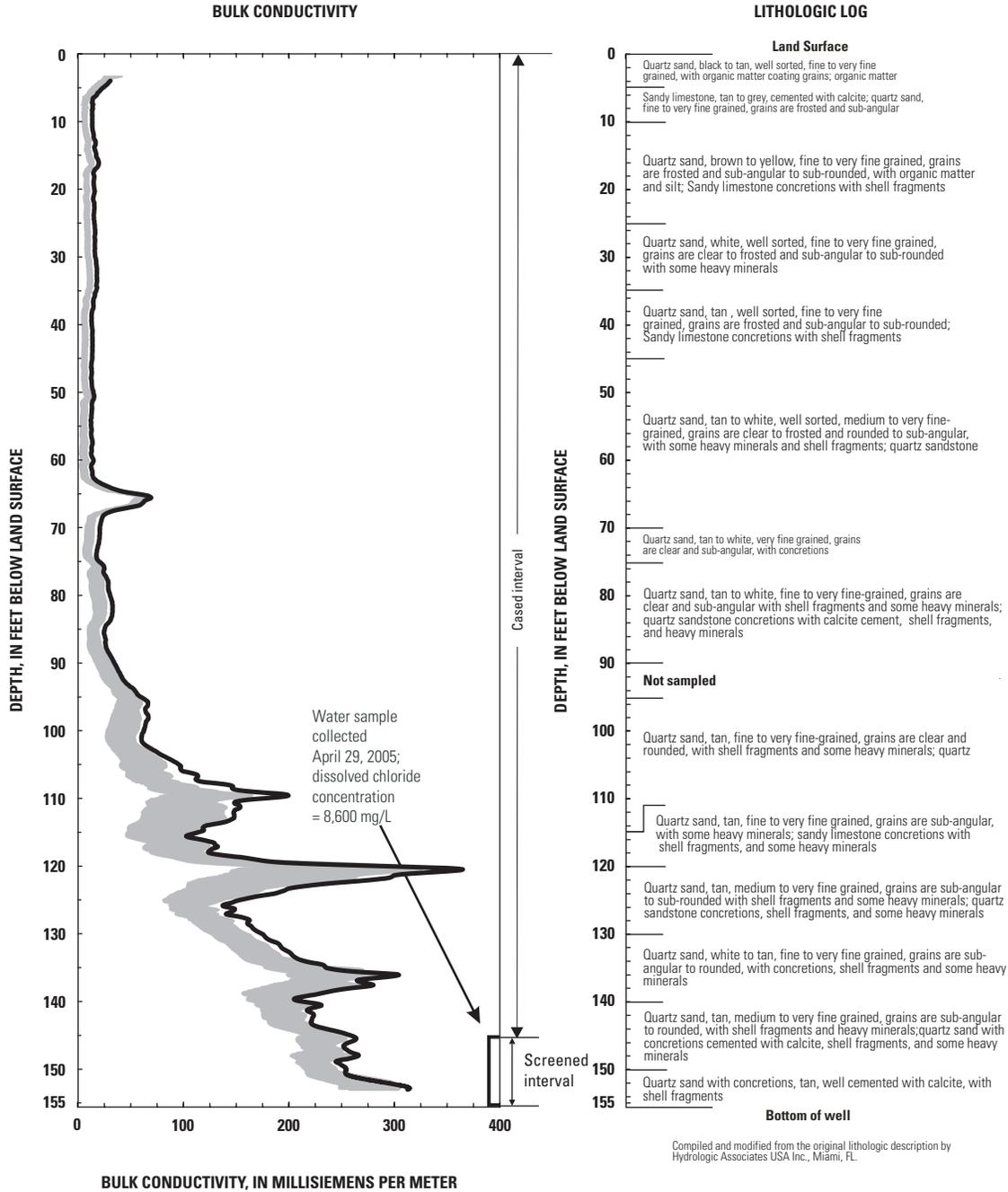
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 10...	1305	.68	24,500	8,600	APR 29...	1124	.18	26,400	8,600
JAN 28...	0841	.22	23,900	8,500	AUG 03...	1401	.51	25,600	8,600



WELL NUMBER.--255843080090901. Local Number G 2903. USGS Observation Well near Hallandale, FL-Continued

**Induction log for Well 255843080090901, Local Number G-2903**



**BULK CONDUCTIVITY, IN MILLISIEMENS PER METER**

**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 29, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 17, 2000 to May 10, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--255910080085802. Local Number G 2294. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'11", long 80°08'59", in SW 1/4 NW 1/4 SW 1/4 sec.27, T.51 S., R.42 E., Hydrologic Unit 03090202, at intersection, 19 ft north of NW 1st Street and 10 ft west of NW 1st Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 139 ft, cased to 135 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 9.95 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 9.4 ft above NGVD.

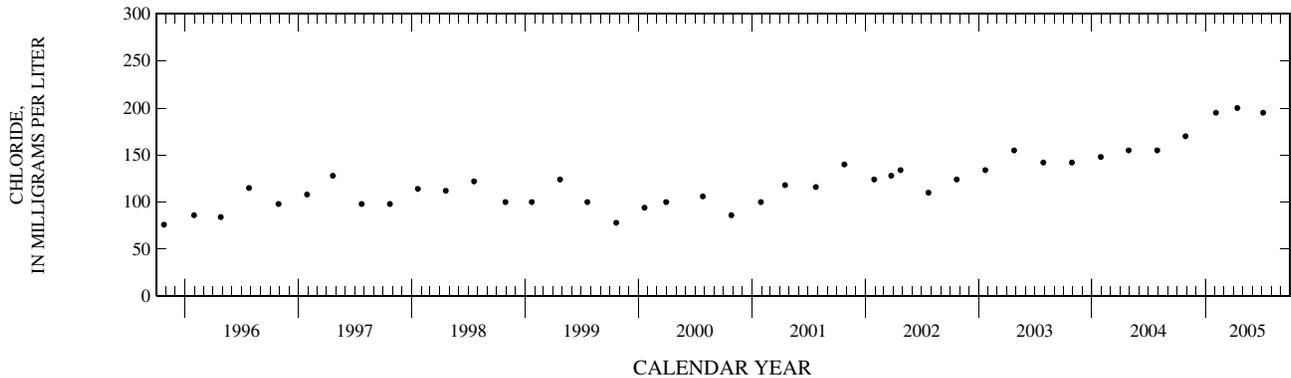
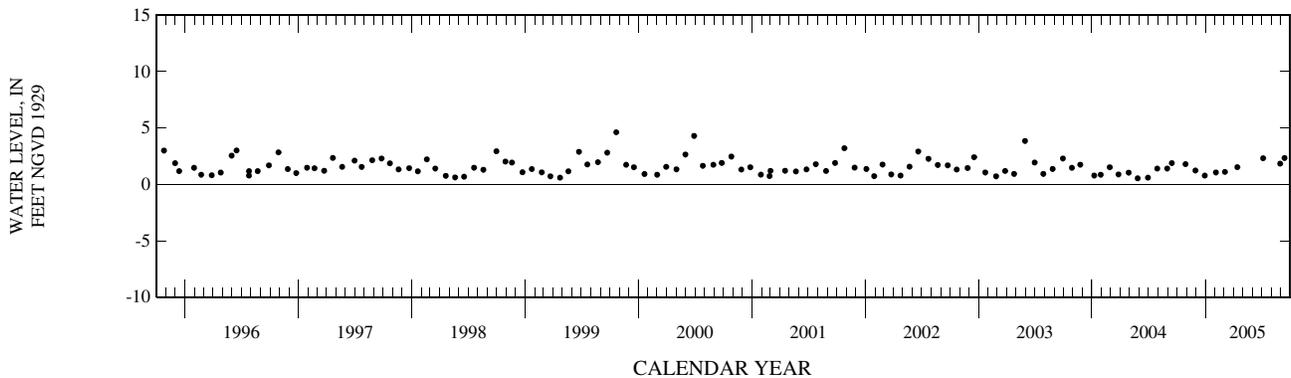
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.74 ft NGVD, June 27, 1995; lowest, 0.54 ft below NGVD, Feb. 24, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					APR				
28...	1009	1.79	809	170	13...	1313	1.52	911	200
NOV					JUL				
29...	1037	1.22	--	--	05...	1244	2.31	959	195
DEC					AUG				
29...	1108	.77	--	--	29...	1012	1.83	--	--
FEB					SEP				
03...	1142	1.05	888	195	12...	1107	2.33	--	--
MAR									
04...	1113	1.10	--	--					



BROWARD COUNTY—Continued

WELL NUMBER.--255916080090401. Local Number G 1435. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'16", long 80°09'04", in NE ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 14.5 ft north of NW 2nd Street centerline and 55 ft east of NW 3rd Avenue centerline.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 204 ft, cased to 196 ft.  
REVISED RECORDS.--WDR FL-99-2B: 1998.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 11.68 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 11.8 ft above NGVD.

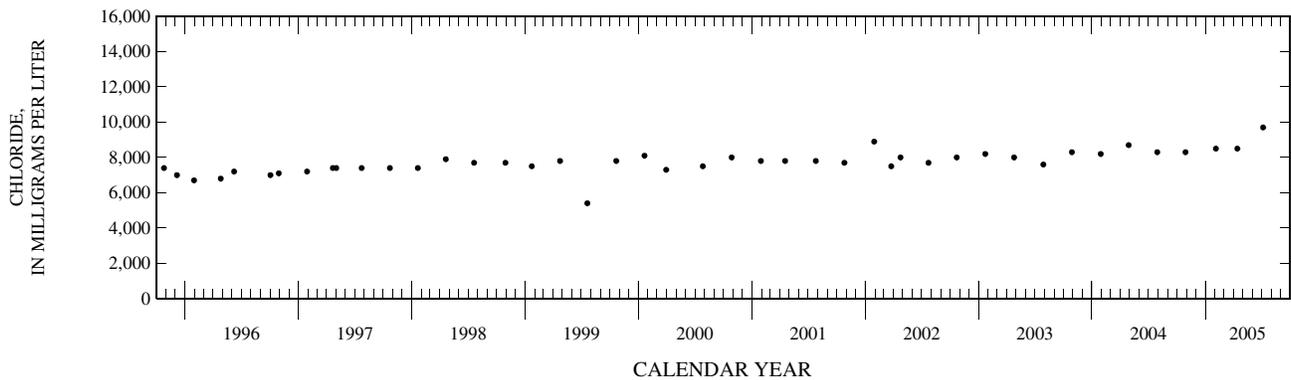
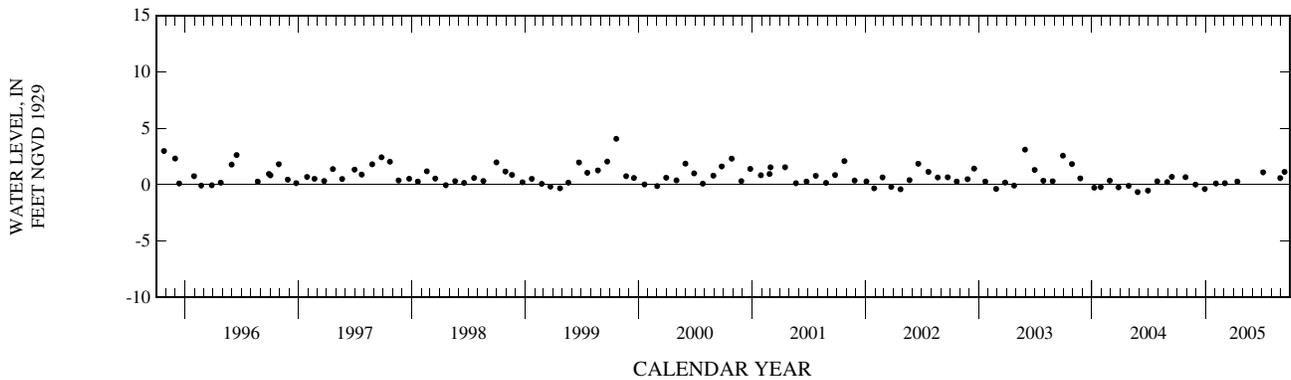
REMARKS.--Well also used since 1969 for salinity monitoring. Previously published figures of water level elevation, as feet NGVD for the 1998 water year are incorrect. Corrected records are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--October 1979, July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft NGVD, Oct. 4, 1979; lowest, 0.65 ft below NGVD, May 27, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)
OCT					APR				
28...	0941	.67	23,800	8,300	13...	1252	.28	24,100	8,500
NOV					JUL				
29...	1033	.01	--	--	05...	1223	1.10	24,400	9,700
DEC					AUG				
29...	1101	-.38	--	--	29...	1003	.59	--	--
FEB					SEP				
03...	1104	.11	23,200	8,500	12...	1101	1.14	--	--
MAR									
04...	1042	.13	--	--					



BROWARD COUNTY—Continued

WELL NUMBER.--255918080091801. Local Number G 1473. USGS Observation Well in Hallandale, FL.

LOCATION.--Lat 25°59'18", long 80°09'18", in NE ¼ NW ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, near NW 6th Avenue and 2nd Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 132 ft cased to 126 ft. (Corrected).

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 14.58 ft above National Geodetic Vertical Datum of 1929. From October 1977 to October 1980, measuring point was considered to be 14.85 ft above NGVD. Prior to October 1977, measuring point was considered to be 13.63 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 12.1 ft above National Geodetic Vertical Datum of 1929.

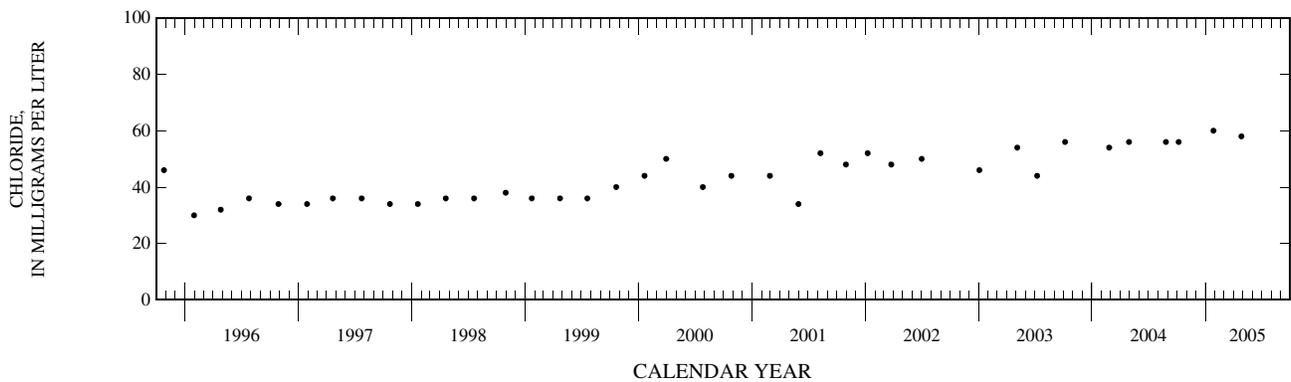
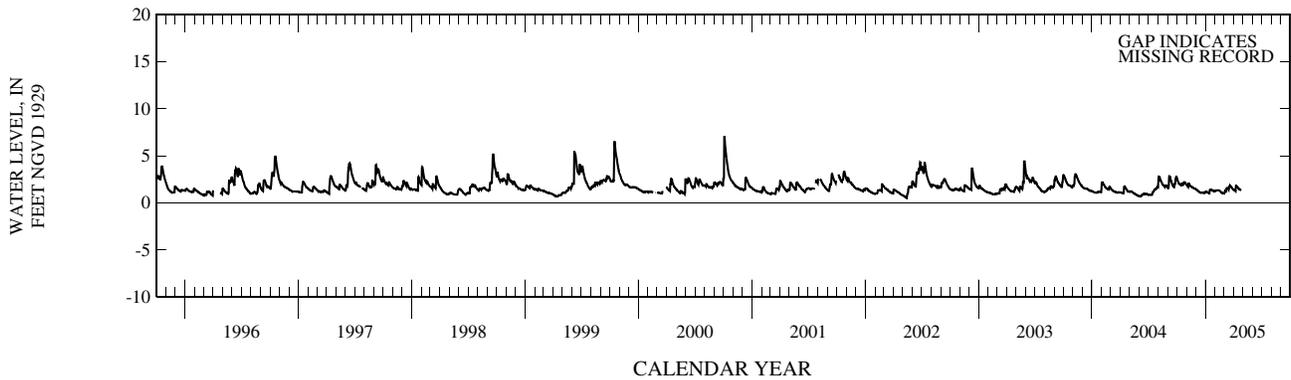
REMARKS.--Well also used for salinity monitoring. Salinity monitoring began in April 25, 1980. The figures of water level as elevation, in feet NGVD, prior to October 1, 1980, are in error. Corrected records are in files of the U.S. Geological Survey. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--November 1969 to April 2005. Discontinued.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.02 ft NGVD, Oct. 3, 4, 2000; lowest, 0.21 ft NGVD, Apr. 19, 21, 22, 1971.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.23	1.72	1.36	1.17	1.33	1.31	1.31	---	---	---	---	---
10	1.96	1.94	1.18	1.06	1.35	1.59	1.82	---	---	---	---	---
15	2.04	1.75	1.08	1.42	1.30	1.51	1.61	---	---	---	---	---
20	1.94	1.66	1.11	1.38	1.14	1.85	1.45	---	---	---	---	---
25	2.21	1.54	1.11	1.30	1.03	1.66	1.33	---	---	---	---	---
EOM	1.95	1.47	1.20	1.26	1.03	1.43	---	---	---	---	---	---
MAX	2.60	2.07	1.45	1.42	1.35	1.85	---	---	---	---	---	---



BROWARD COUNTY—Continued

WELL NUMBER.--255919080091202. Local Number G 2409. USGS Observation Well in Hallandale, FL.

LOCATION.--Lat 25°59'19", long 80°09'12", in NW ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 1 ft east of G-2408, 11 ft east of northwest corner of building on southeast corner of NW 3rd Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 84 ft, cased to 83 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1996, measuring point was incorrectly considered to be 10.64 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 10.9 ft above NGVD.

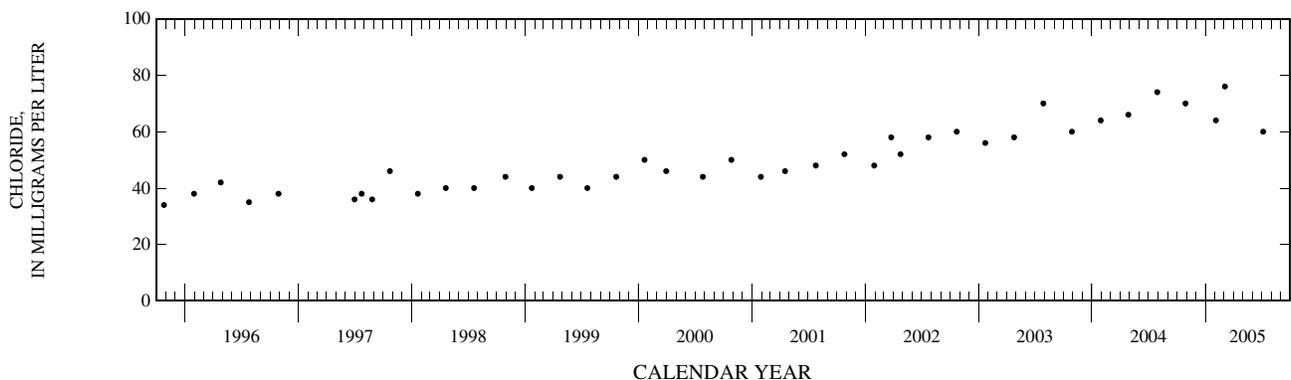
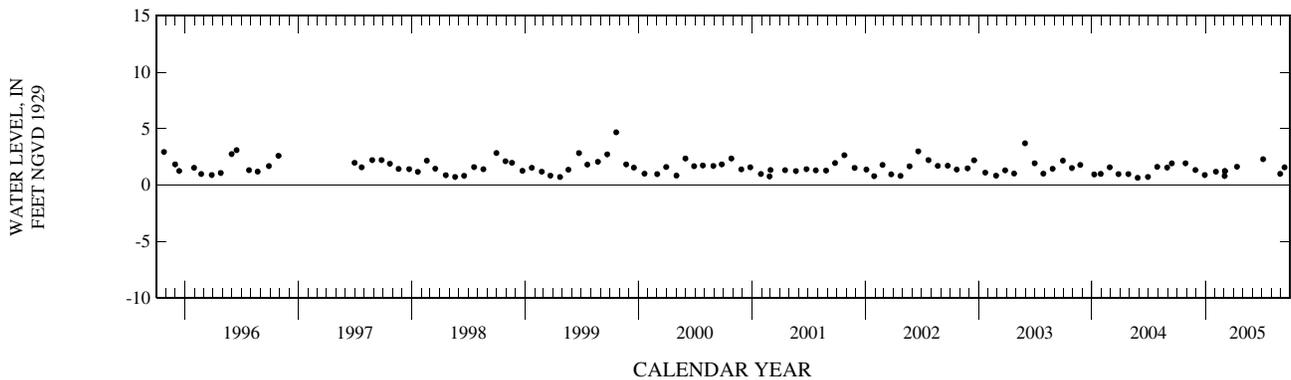
REMARKS.--Well also used for salinity monitoring. The figures of water levels as elevation, in feet NGVD, prior to October 1996 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--September 1985 to February 1986 (weekly), March 1986 to September 1990 (intermittent), October 1990 to October 1996, June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.68 ft NGVD, Oct. 21, 1999; lowest, 0.31 ft NGVD, May 24, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)
OCT					APR				
28...	0906	1.94	602	70.0	12...	0932	1.63	--	--
NOV					JUL				
29...	1000	1.34	--	--	05...	1202	2.30	600	60.0
DEC					AUG				
29...	1035	.90	--	--	29...	0955	1.00	--	--
FEB					SEP				
03...	1023	1.19	594	64.0	12...	1039	1.58	--	--
MAR									
03...	1107	.81	--	--					
04...	0958	1.24	602	76.0					



BROWARD COUNTY—Continued

WELL NUMBER.--255919080091203. Local Number G 2410. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'19", long 80°09'13", in NW ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 2 ft north of sidewalk and 1 ft west of G-2408, 9 ft east of northwest corner of building on southeast corner of NW 3rd Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.25 in., depth 206 ft, cased to 205 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.55 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 10.8 ft above NGVD.

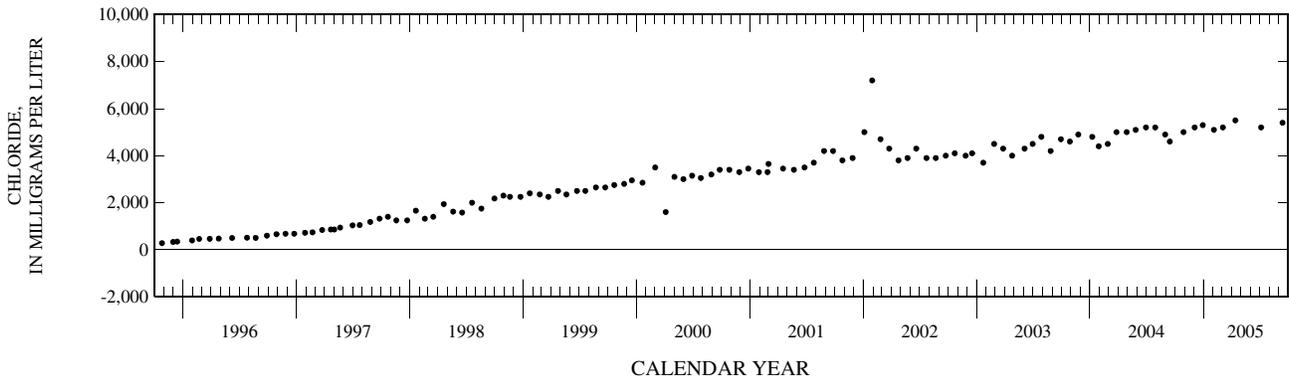
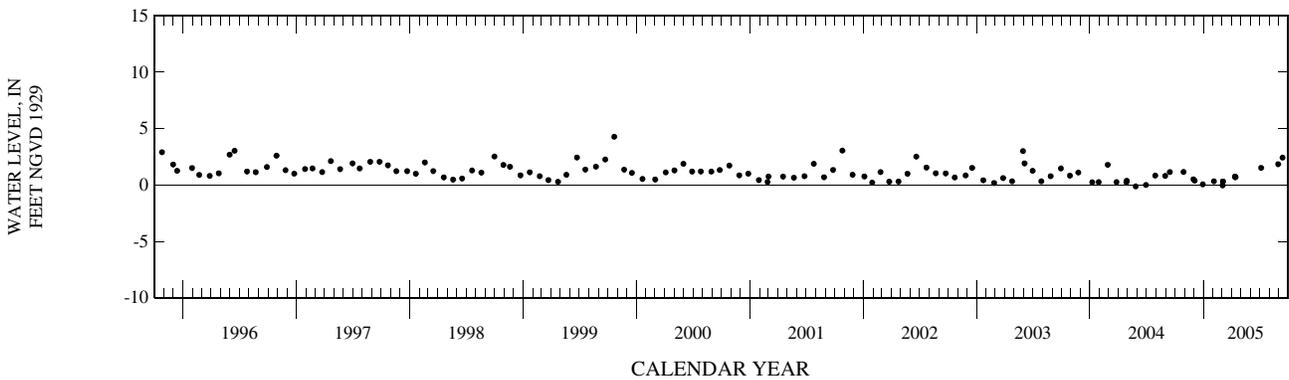
REMARKS.--Well also used for salinity monitoring. Salinity monitoring began in June 1985.

PERIOD OF RECORD.--September 1985 to February 1986 (weekly), March 1986 to November 1986 (intermittent), December 1986 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.76 ft NGVD, June 27, 1995; lowest, 0.13 ft below NGVD, May 27, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 28...	0914	1.15	13,400	5,000	APR 12...	0938	.74	--	--
NOV 29...	1016	.50	--	--	APR 13...	1233	.69	14,300	5,500
DEC 03...	1054	.38	14,000	5,200	JUL 05...	1116	1.51	14,500	5,200
DEC 29...	1039	.05	13,800	5,300	AUG 29...	0958	1.84	--	--
FEB 03...	1037	.32	13,700	5,100	SEP 12...	1040	2.42	14,300	5,400
MAR 03...	1131	-.04	--	--					
MAR 04...	1131	.30	13,600	5,200					



BROWARD COUNTY—Continued

WELL NUMBER.--255936080091701. Local Number G 2477. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'36", long 80°09'19", in SE 1/4 NW 1/4 SE 1/4 sec.21, T.51 S., R.42 E., Hydrologic Unit 03090202, at northwest corner of intersection of NW 6th Avenue and NW 8th Street, 82 ft west of NW 6th Avenue and 11 ft north of NW 8th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 80 ft, cased to 75 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.69 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 12.9 ft above NGVD.

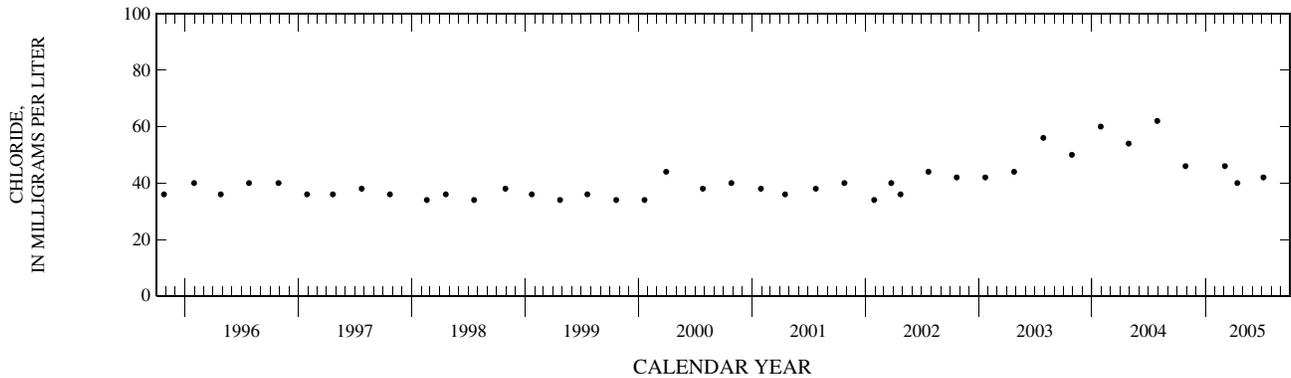
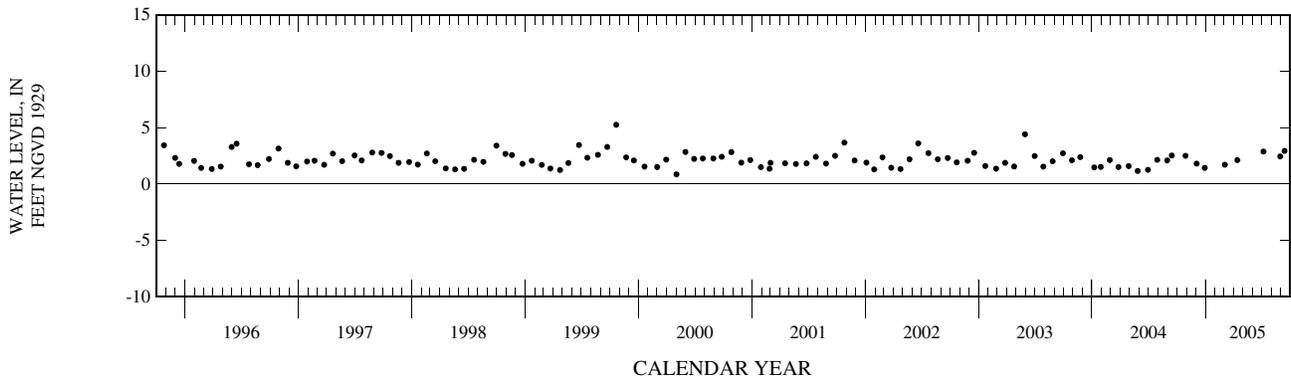
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft NGVD, Oct. 21, 1999; lowest, 0.86 ft NGVD, May 2, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					JUL				
28...	1040	2.51	519	46.0	06...	1200	2.88	494	42.0
DEC					AUG				
03...	1132	1.81	--	--	29...	1059	2.45	--	--
29...	1115	1.44	--	--	SEP				
MAR					12...	1114	2.94	--	--
04...	1159	1.72	524	46.0					
APR									
13...	1403	2.12	538	40.0					



BROWARD COUNTY—Continued

WELL NUMBER.--255936080091702. Local Number G 2478. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'36", long 80°09'19", in SE 1/4 NW 1/4 SE 1/4 sec.21, T.51 S., R.42 E., Hydrologic Unit 03090202, at northwest corner of intersection of NW 6th Avenue and NW 8th Street, 60 ft west of NW 6th Avenue and 11 ft north of NW 8th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft, cased to 195 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.48 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 12.8 ft above NGVD.

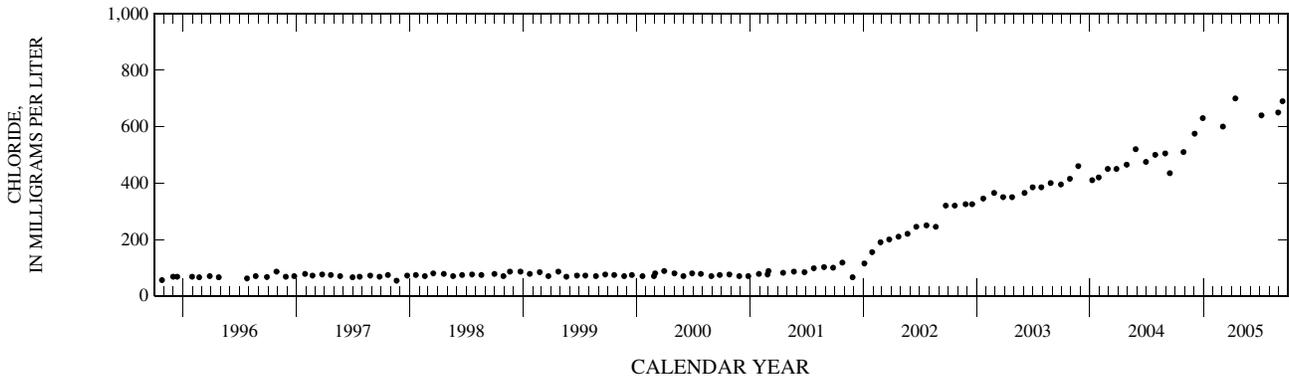
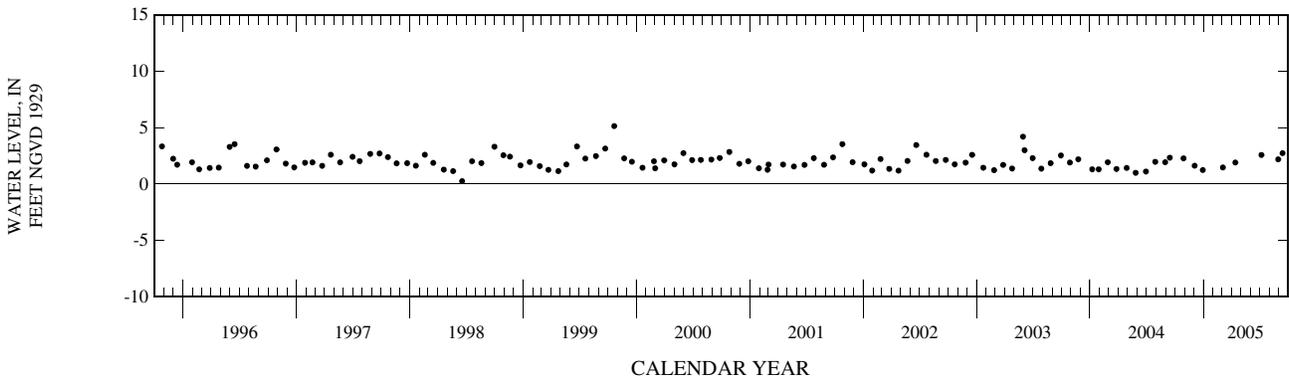
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--August 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.14 ft NGVD, Oct. 21, 1999; lowest, 0.26 ft NGVD, June 18, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)
OCT					JUL				
28...	1045	2.28	1,780	510	06...	0931	2.58	2,170	640
DEC					AUG				
03...	1128	1.63	1,910	575	29...	1024	2.19	1,840	650
29...	1117	1.25	1,960	630	SEP				
MAR					12...	1115	2.74	1,920	690
04...	1138	1.47	2,070	600					
APR									
13...	1346	1.91	2,180	700					



BROWARD COUNTY—Continued

WELL NUMBER.--260010080085001. Local Number F 291. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'10", long 80°08'50", in NE ¼ NW ¼ sec.22, T.51 S., R.42 E., Hydrologic Unit 03090202, at South 20th Avenue and Dewey Street, 1.1 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 6 in., depth 107 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of screw, 11.10 ft above National Geodetic Vertical Datum of 1929. From January 20, 1998 to June 20, 2000, measuring point was top of base, 11.08 ft above NGVD. From October 1991 to January 19, 1998, measuring point was top of casing, 11.06 ft above NGVD. From October 1985 to September 1991, top of base was incorrectly considered to be 11.18 ft above NGVD. From January 1948 to September 1985, measuring point was top of casing, 11.06 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 9.2 ft above NGVD.

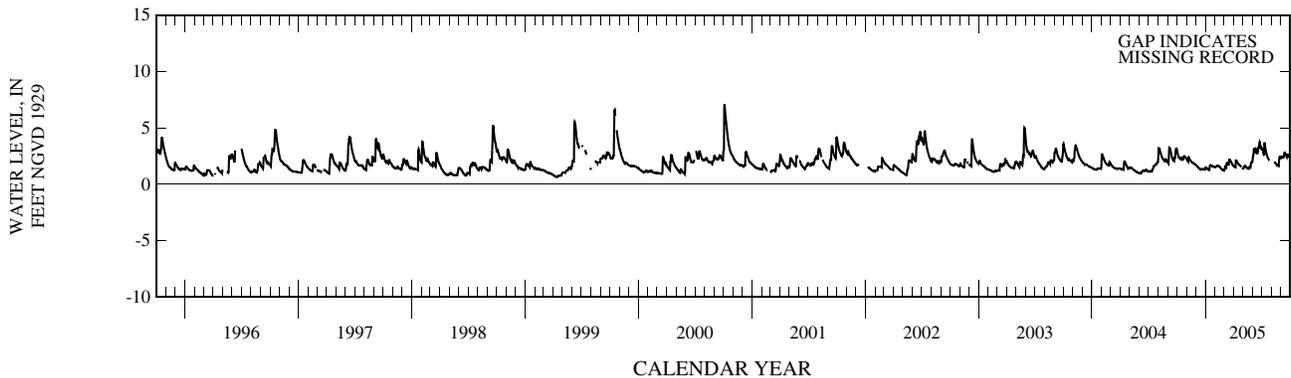
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.26 ft NGVD, Oct. 5, 1948; lowest, 0.16 ft NGVD, July 2, 1952.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.53	2.02	1.61	1.42	1.61	1.57	1.54	1.62	3.12	2.85	---	2.43
10	2.28	2.24	1.44	1.29	1.64	1.89	2.13	1.58	2.89	3.65	---	2.43
15	2.37	2.05	1.33	1.69	1.57	1.74	1.84	1.44	2.77	2.79	1.83	2.71
20	2.23	1.92	1.36	1.65	1.40	2.19	1.70	1.38	3.34	2.36	1.66	2.58
25	2.50	1.82	1.35	1.56	1.25	1.92	1.58	1.52	3.64	2.09	2.06	2.49
EOM	2.25	1.73	1.49	1.54	1.26	1.66	1.42	1.95	3.18	---	2.41	2.34
MAX	2.96	2.42	1.70	1.71	1.64	2.20	---	1.96	3.74	---	---	2.81



BROWARD COUNTY—Continued

WELL NUMBER.--260026080095801. Local Number G 2956. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°00'26", long 80°09'58", in SW 1/4 NW 1/4 SW 1/4 sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, located in the traffic circle at the intersection of South 29th Terrace and Monroe Street, 200 ft east of U.S. Interstate 95.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 175 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 8.20 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 8.2 ft above NGVD.

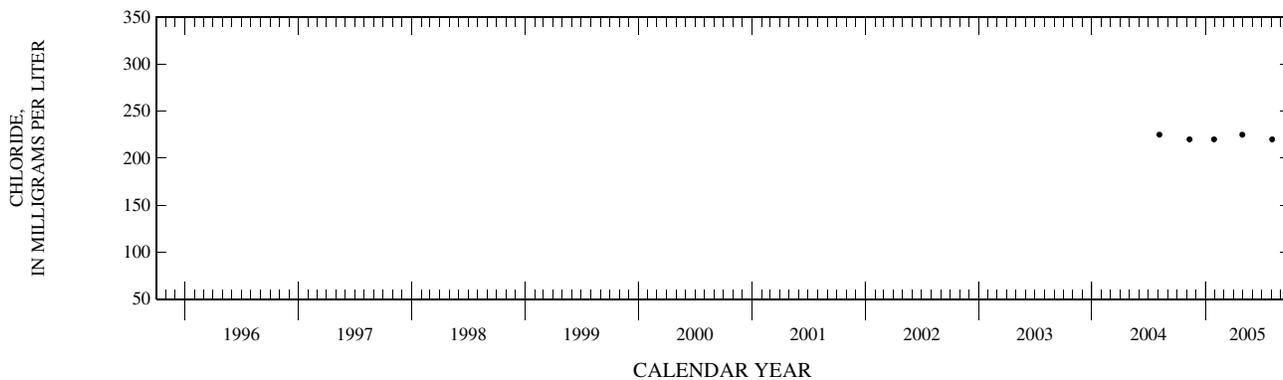
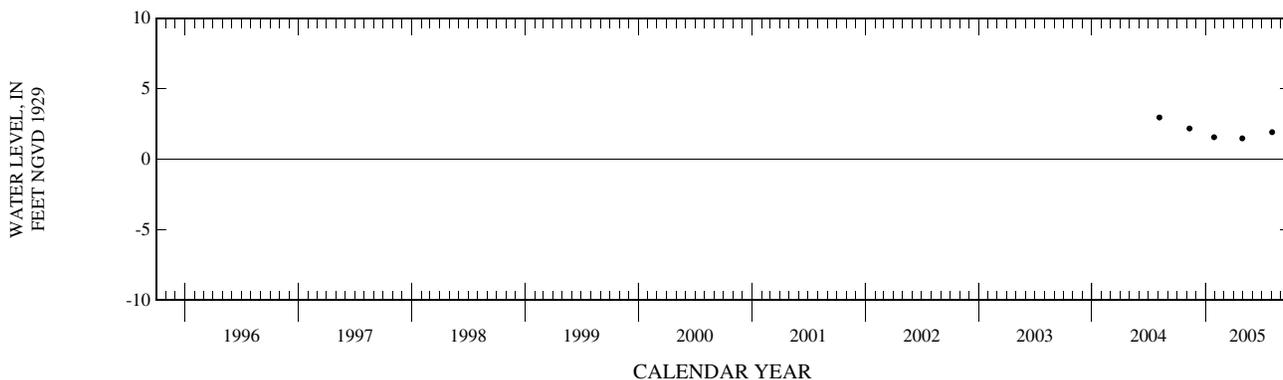
REMARKS.--Well also used for salinity sampling, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Quarterly water-level measurements began in September 2004. Water-level data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 2004 to current year.

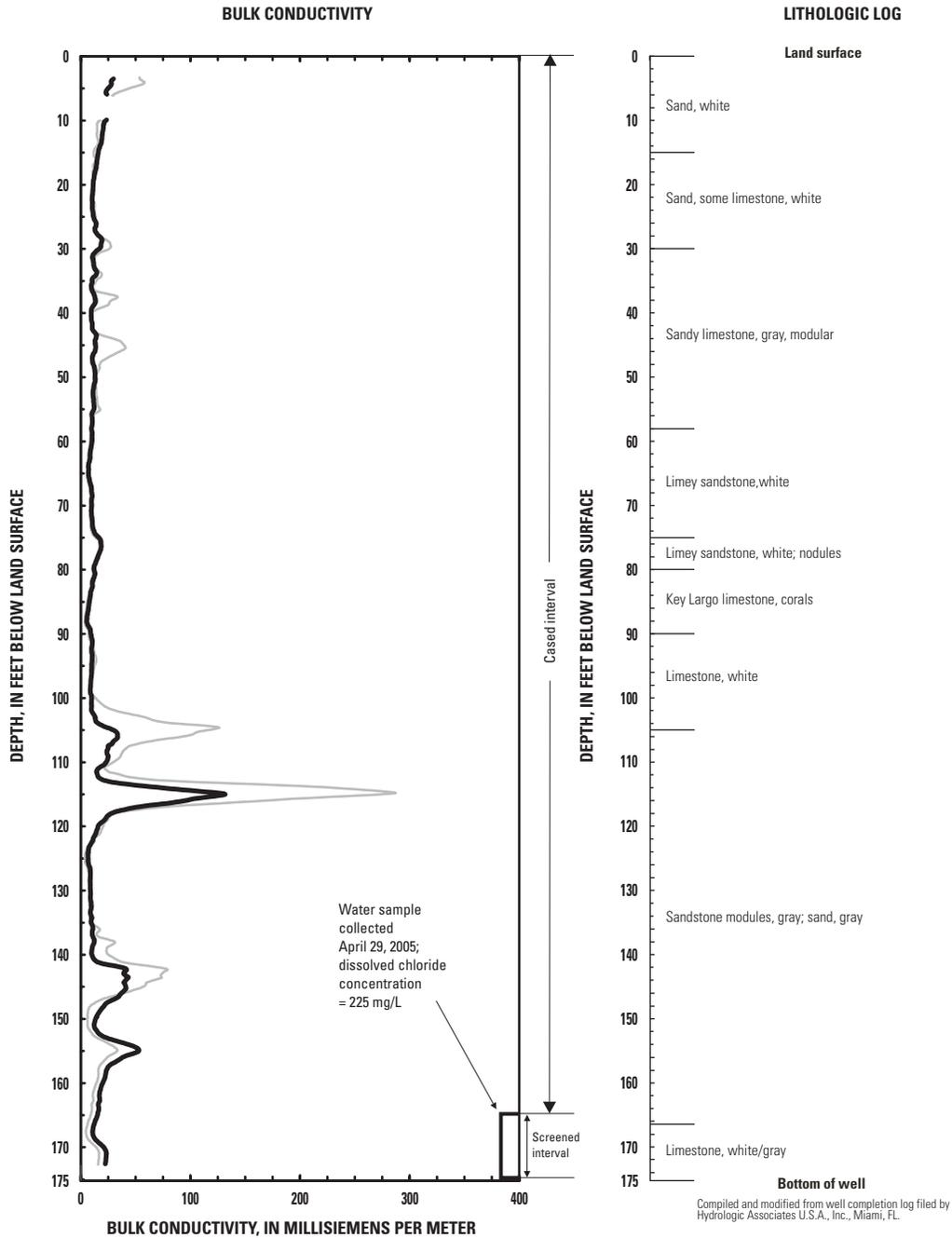
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.96 ft NGVD, Aug. 5, 2004; lowest, 1.48 ft NGVD, Apr. 29, 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 10...	1423	2.18	1,160	220	APR 29...	1320	1.48	1,230	225
JAN 28...	0922	1.56	1,150	220	AUG 03...	1310	1.92	1,190	220



**Induction log for Well 260026080095801, Local Number G-2956**



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 29, 2005.
- Shaded line represents bulk conductivity log collected from August 5, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--260032080135701. Local Number G 1225. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'32", long 80°13'57", in NE ¼ NE ¼ SE ¼ sec.15, T.51 S., R.41 E., Hydrologic Unit 03090202, at corner of Hollywood Boulevard and SW 72nd Avenue in Hollywood.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 11 ft.  
REVISED RECORDS.--WDR FL-81-2B: 1980.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.66 ft above National Geodetic Vertical Datum of 1929. From October 1992 to January 7, 2004, measuring point was 11.21 ft above NGVD. From June 1982 to October 1992, measuring point was top of base, 11.16 ft above NGVD. From May 1981 to December 1981 measuring point was top of base, 11.70 ft above NGVD. Prior to May 1981, measuring point was top of casing, 11.03 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 9.1 ft above NGVD.

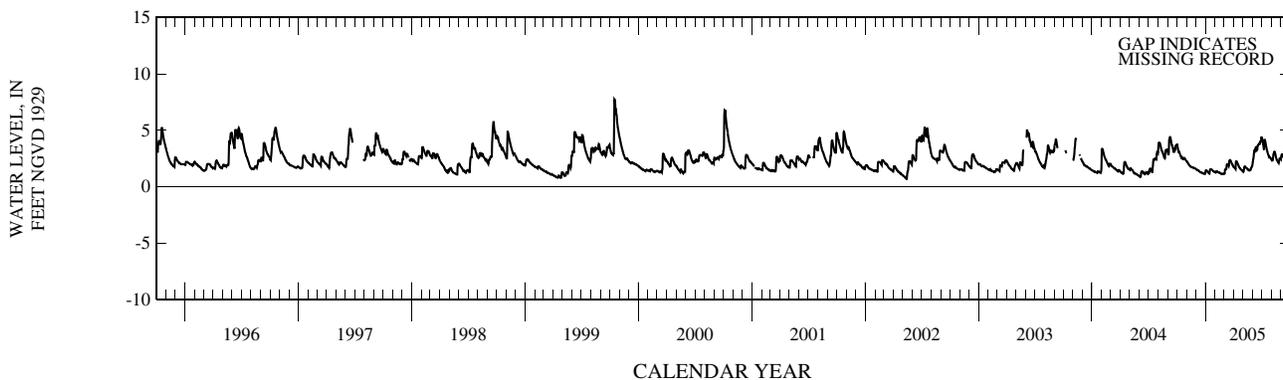
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. In 1982, G-1225 was re-drilled in a location close to the original site. The current well has the same station identifiers as the original and all data are stored as one set of elevations.

PERIOD OF RECORD.--January 1962 to December 1981, (original well), June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.75 ft NGVD, Oct. 15, 1999; lowest, 0.70 ft NGVD, Apr. 30 and May 1, 1971.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.20	2.09	1.50	1.42	1.37	1.54	1.65	1.72	2.87	3.71	2.36	2.84
10	2.93	1.89	1.40	1.24	1.29	1.91	2.25	1.73	3.34	4.15	3.11	2.57
15	2.65	1.75	1.29	1.51	1.24	1.91	1.99	1.61	3.26	3.54	2.69	3.13
20	2.45	1.72	1.24	1.54	1.17	2.37	1.70	1.46	3.72	2.96	2.29	2.90
25	2.55	1.65	1.19	1.40	1.15	2.14	1.51	1.48	3.96	2.63	2.27	2.81
EOM	2.28	1.59	1.30	1.30	1.15	1.81	1.38	1.84	4.38	2.46	2.45	2.60
MAX	3.76	2.24	1.57	1.56	1.37	2.37	2.25	1.84	4.38	4.36	3.11	3.19



BROWARD COUNTY—Continued

WELL NUMBER.--260040080104401. Local Number G 2035. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°10'44", in SW 1/4 SE 1/4 NW 1/4 sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, at northeast corner of 35th Avenue and Hollywood Boulevard, 0.7 mi west of U.S. Interstate 95.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 4 in., depth 52 ft, cased to 50 ft.  
REVISED RECORDS.--WDR FL-85-2B: 1976.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 16.02 ft above National Geodetic Vertical Datum of 1929. From July 1984 to April 2002, measuring point was 16.24 ft above NGVD. From October 1994 to September 1999, measuring point was incorrectly considered to be 16.26 ft above NGVD. From July 1984 to September 1994, measuring point may have incorrectly been considered to be 16.26 ft above NGVD. From July 16, 1981 to July 5, 1984, measuring point was 16.26 ft above NGVD. Prior to July 16, 1981, measuring point was 16.14 ft above NGVD. From October 1973 to September 1975, the measuring point was incorrectly reported to be 15.20 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 13.2 ft above NGVD.

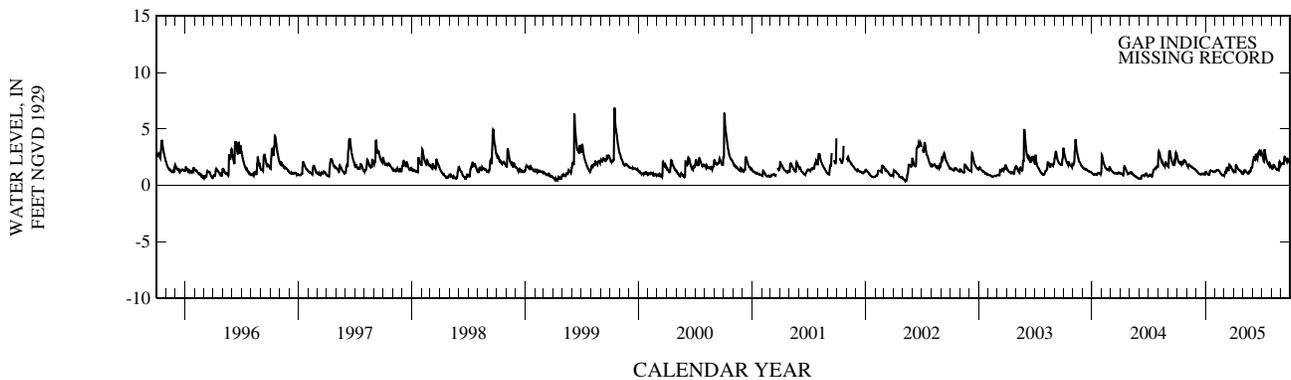
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Unpublished records of water levels for September 1999 are available in files of the U.S. Geological Survey. Records of water levels as elevation for the period July 1984 to September 1994 may be in error and may require a correction of -0.02 ft. Records of water levels as elevation for the period October 1994 to September 1999 are in error and require a correction of -0.02 ft. Water level records for these period have not been corrected. Station rebuilt April 10, 2002. See DATUM.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.88 ft NGVD, Oct. 15, 1999; lowest, 0.22 ft NGVD, Apr. 25, 1981.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.13	1.64	1.24	1.07	1.35	1.22	1.18	1.34	2.51	2.38	1.50	1.96
10	2.00	1.77	1.06	0.96	1.34	1.57	1.77	1.28	2.52	3.14	1.71	2.05
15	2.08	1.70	0.96	1.30	1.22	1.34	1.44	1.10	2.32	2.36	1.50	2.38
20	1.96	1.58	1.03	1.29	1.03	1.80	1.35	1.08	2.93	1.96	1.41	2.34
25	2.24	1.47	1.05	1.20	0.90	1.55	1.22	1.24	3.00	1.95	1.89	2.11
EOM	1.93	1.37	1.18	1.23	0.94	1.27	1.05	1.60	2.93	1.67	1.82	1.98
MAX	2.64	1.88	1.35	1.33	1.37	1.85	1.81	1.60	3.06	3.19	2.10	2.54



BROWARD COUNTY—Continued

WELL NUMBER.--260041080093101. Local Number G 2425. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°09'32", in SW 1/4 SW 1/4 NE 1/4 sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, 8 ft south of G-2426, in grassy area 60 ft east of parking space 10 in the northeast parking lot on City Hall Circle, at Hollywood Boulevard and South 26th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 203 ft, cased to 198 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.88 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 13.2 ft above NGVD.

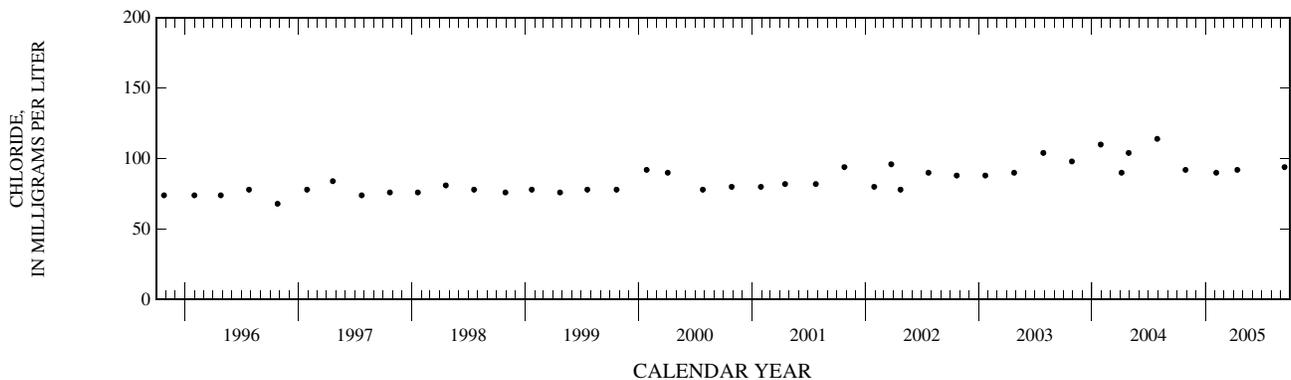
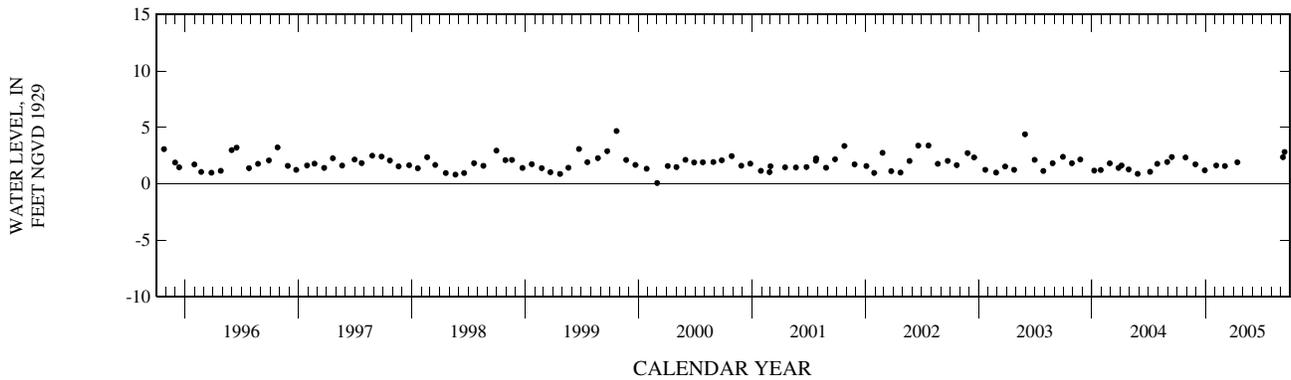
REMARKS.--Well also used for salinity monitoring. Salinity monitoring began in March 1986.

PERIOD OF RECORD.--January 1987 to December 1989 (intermittent), December 1989 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.68 ft NGVD, Oct. 22, 1999; lowest, 0.08 ft NGVD, Mar. 1, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAR				
28...	1139	2.34	628	92.0	04...	1332	1.58	--	--
NOV					APR				
29...	1124	1.73	--	--	13...	1449	1.91	690	92.0
DEC					SEP				
29...	1147	1.20	--	--	07...	0900	2.36	--	--
FEB					12...	0928	2.83	546	94.0
04...	1030	1.63	691	90.0					



BROWARD COUNTY—Continued

WELL NUMBER.--260041080093102. Local Number G 2426. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°09'32", in SW 1/4 SW 1/4 NE 1/4 sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, 8 ft north of G-2425, 60 ft east of parking space 10 in the northeast parking lot on City Hall Circle, Hollywood Boulevard and South 26th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 91 ft, cased to 86 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.78 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 12.8 ft above NGVD.

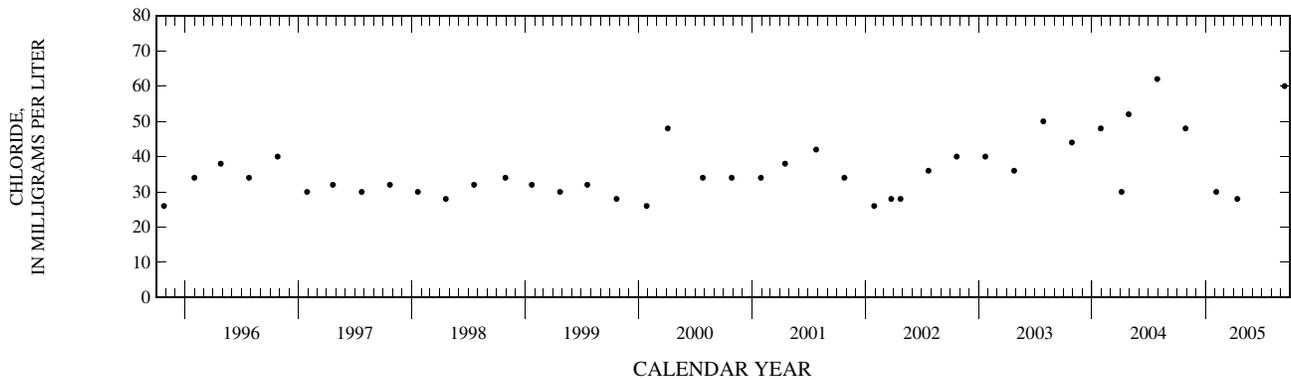
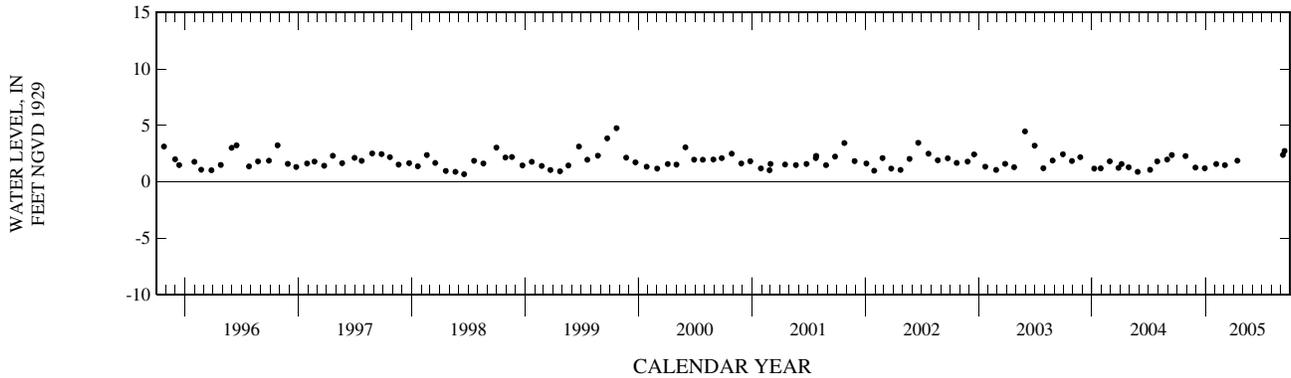
REMARKS.--Well is also used for salinity monitoring. Salinity monitoring began in October 1986.

PERIOD OF RECORD.--January 1987 to May 1993 (intermittent), October 1993 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.76 ft NGVD, Oct. 22, 1999; lowest, 0.65 ft NGVD, Apr. 4, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT 28...	1142	2.29	474	48.0	MAR 04...	1332	1.48	--	--
NOV 29...	1054	1.27	--	--	APR 13...	1456	1.88	481	28.0
DEC 29...	1149	1.21	--	--	SEP 07...	1108	2.39	--	--
FEB 04...	1006	1.58	464	30.0	12...	0932	2.74	504	60.0



BROWARD COUNTY—Continued

WELL NUMBER.--260053080105701. Local Number G 1226. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'53", long 80°10'57", in NW ¼ SW ¼ NW ¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, in the center of the median of North Rainbow Drive, 1,500 ft southwest of Johnson Street in Hollywood, 0.3 mi north of Hollywood Boulevard, and 1.7 mi east of U.S. Highway 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 14 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.08 ft above National Geodetic Vertical Datum of 1929. From July 5, 1984 to April 10, 1998, measuring point was considered to be top of base, 9.26 ft above NGVD. From July 16, 1981 to July 5, 1984, top of base was 9.26 ft above NGVD. Prior to July 16, 1981, measuring point was top of casing, 9.17 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 9.1 ft above NGVD.

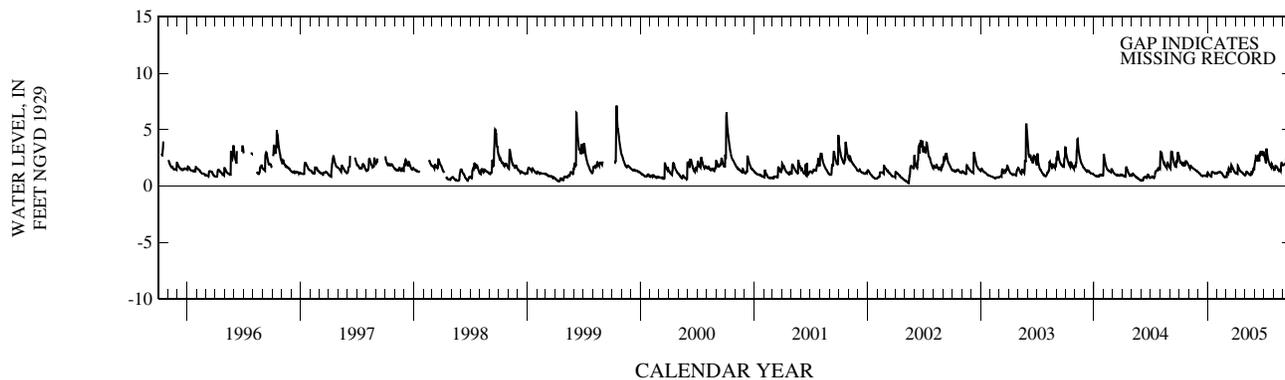
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.10 ft NGVD, Oct. 8, 1991; lowest, 0.28 ft NGVD, May 14, 2002.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.10	1.57	1.16	1.02	1.25	1.18	1.10	1.27	2.60	2.36	1.46	1.92
10	1.94	1.70	0.99	0.88	1.25	1.57	1.69	1.19	2.61	3.21	1.70	1.93
15	2.05	1.58	0.88	1.25	1.16	1.28	1.36	1.06	2.31	2.34	1.50	2.42
20	1.84	1.48	0.95	1.21	0.97	1.75	1.26	0.99	3.04	1.90	1.35	2.26
25	2.20	1.36	0.94	1.11	0.80	1.45	1.13	1.17	2.98	1.96	1.79	2.16
EOM	1.87	1.29	1.15	1.15	0.84	1.16	0.97	1.53	2.96	1.67	1.87	1.96
MAX	2.60	1.81	1.25	1.26	1.26	1.88	1.81	1.57	3.11	3.33	2.07	2.56



BROWARD COUNTY—Continued

WELL NUMBER.--260101080091501. Local Number G 2906. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'01", long 80°09'15", in NW 1/4 NE 1/4 NE 1/4 sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, in the parking lot of Lincoln Park, about 180 ft south of Lincoln Street, 0.3 mi west of North Dixie Highway.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 158 ft, cased to 148 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 13.89 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 13.9 ft above NGVD.

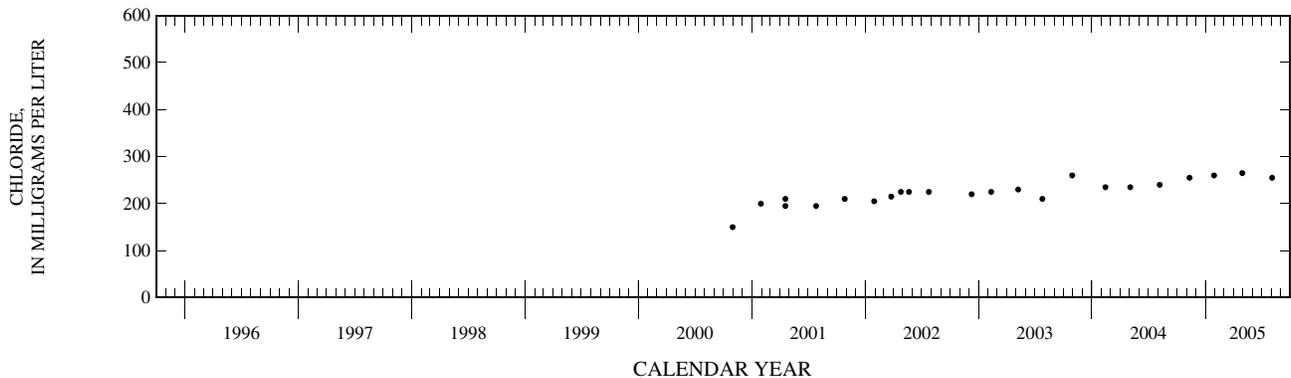
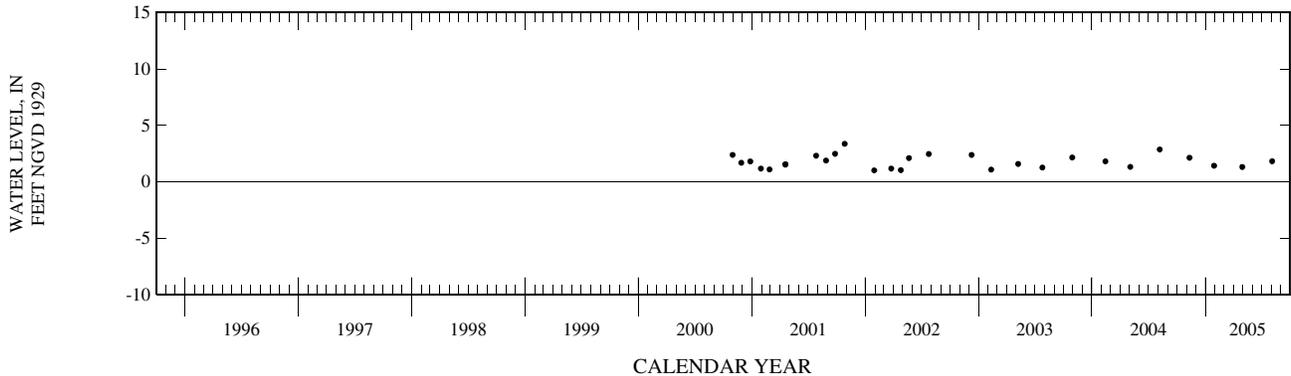
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Induction logging began in April 2001.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.37 ft NGVD, Oct. 26, 2001; lowest, 1.02 ft NGVD, Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

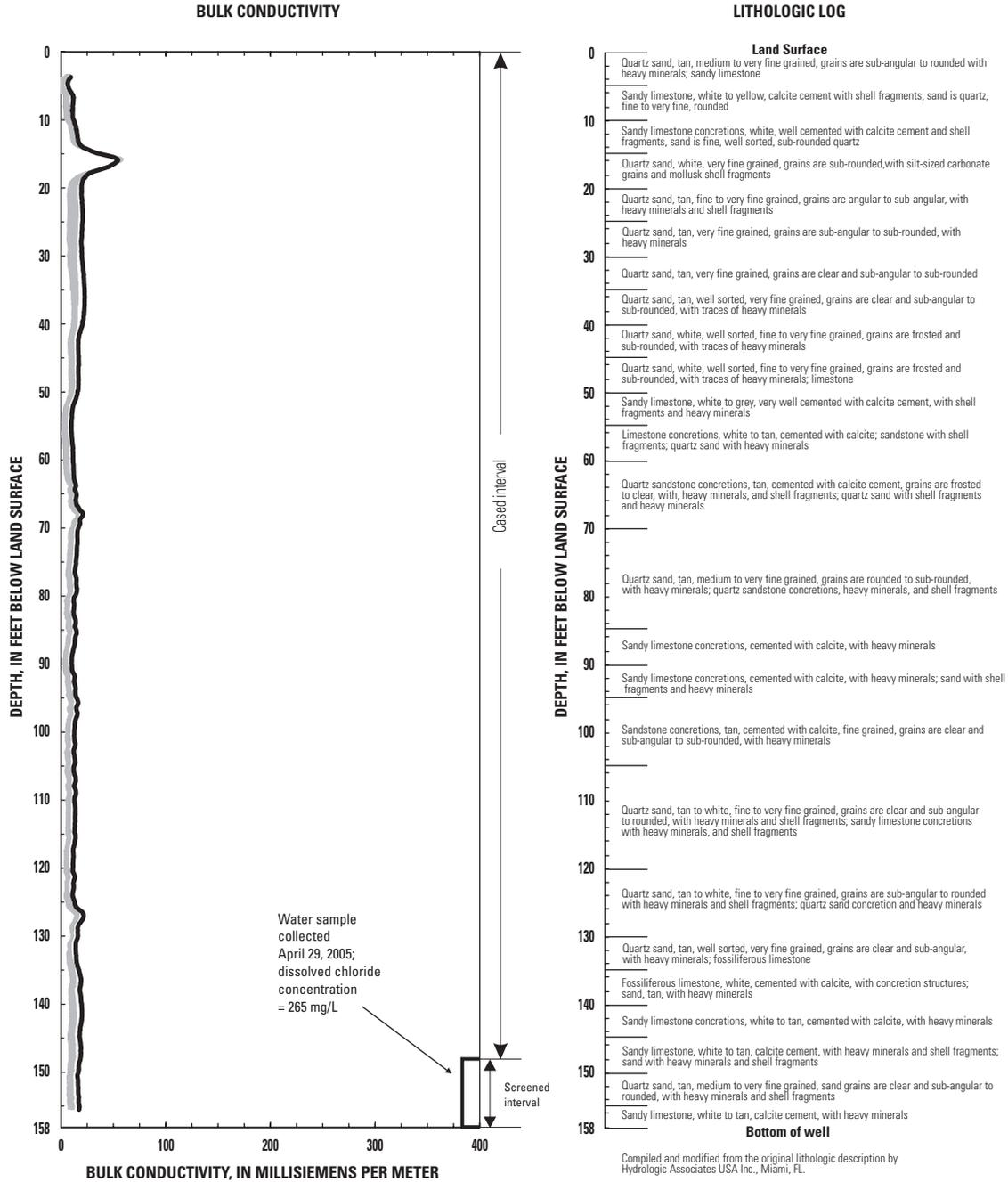
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 10...	1228	2.14	1,170	255	APR 29...	1001	1.32	1,310	265
JAN 28...	0956	1.43	1,210	260	AUG 03...	1242	1.83	1,230	255



BROWARD COUNTY—Continued

WELL NUMBER.--260101080091501. Local Number G 2906. USGS Observation Well near Hollywood, FL--Continued

Induction log for Well 260101080091501, Local Number G-2906



Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

BROWARD COUNTY—Continued

WELL NUMBER.--260120080093401. Local Number G 2441. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'19", long 80°09'35" in SE ¼ SE ¼ NW ¼ sec.9, T.51 S., R.42 E., Hydrologic Unit 03090202, 16.7 ft from the sidewalk of Arthur Street and 36 ft east of North 26th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 181 ft, cased to 180 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.72 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 10.7 ft above NGVD.

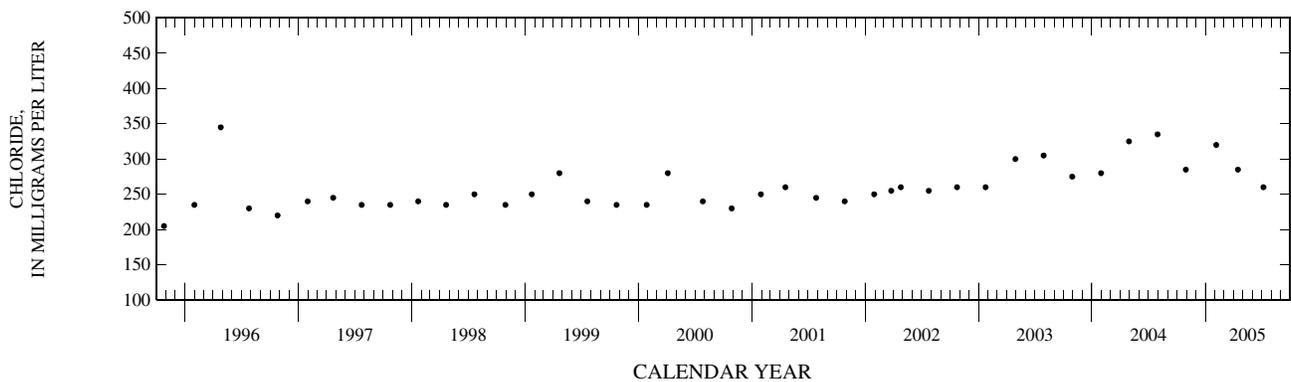
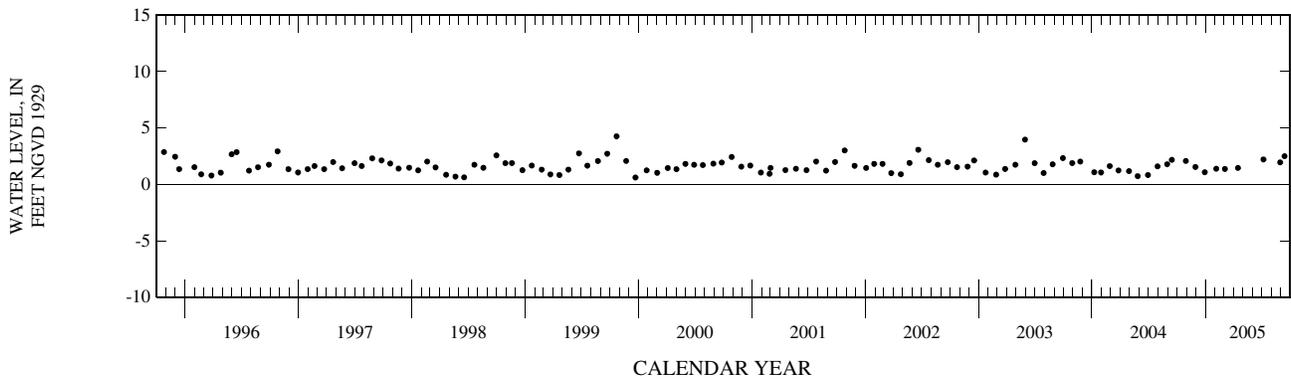
REMARKS.--Well is also used for salinity monitoring. Prior to October 1994 only chloride data was published. See PERIOD OF RECORD.

PERIOD OF RECORD.--September 1986 to July 1994 (intermittent), October 1994 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.25 ft NGVD, Oct. 22, 1999; lowest, 0.60 ft NGVD, Dec. 22, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)
OCT					APR				
29...	0941	2.07	1,260	285	15...	1051	1.45	1,320	285
NOV					JUL				
29...	1140	1.53	--	--	06...	1030	2.20	1,210	260
DEC					AUG				
29...	1220	1.07	--	--	29...	1129	1.94	--	--
FEB					SEP				
04...	1131	1.38	1,250	320	12...	0944	2.49	--	--
MAR									
04...	1536	1.36	--	--					



BROWARD COUNTY—Continued

WELL NUMBER.--260155080092002. Local Number G 2612. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°01'54", long 80°09'21" in SE ¼ SE ¼ NW ¼ sec.8, T.51 S., R.42 E., Hydrologic Unit 03090202, 6 ft from the southwest corner of Boggs Field Park, south of Sheridan Street, 30 ft from NW 24th Avenue, at a ninety degree turn to the west.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 273 ft, cased to 273 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 7.00 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.0 ft above NGVD.

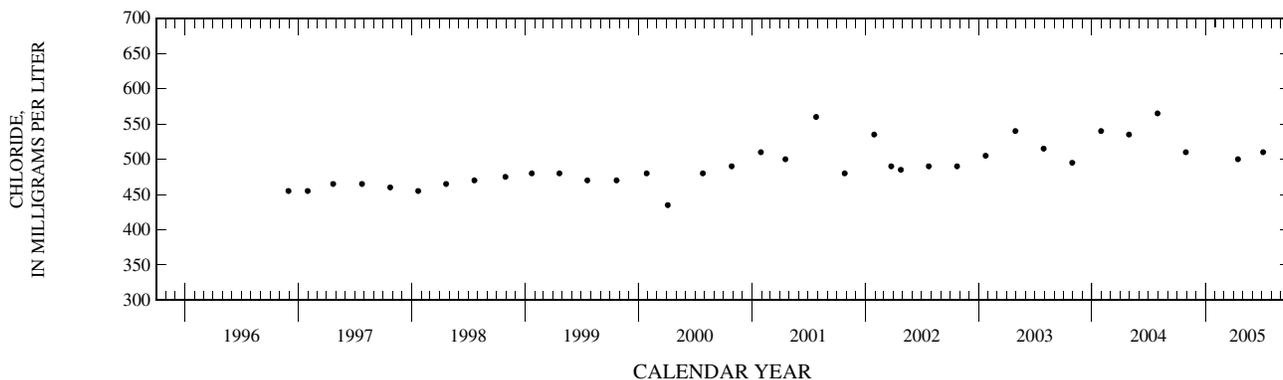
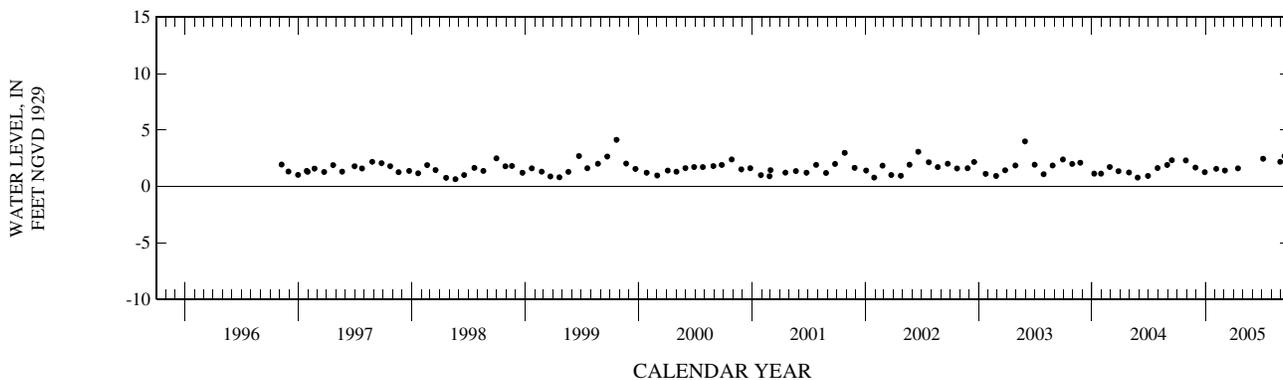
REMARKS.--Well is also used for salinity monitoring. No data for water year 1996. Because of an error on a site photograph, G-2612 was confused with another well. As a result, published records for the 1995 and 1996 water years are in error and have been removed.

PERIOD OF RECORD.--November 1996 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.14 ft NGVD, Oct. 22, 1999; lowest, 0.65 ft NGVD, May 21, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 29...	1022	2.31	1,950	510	APR 15...	1124	1.61	1,870	500
NOV 29...	1147	1.68	--	--	JUL 05...	1057	2.46	1,940	510
DEC 29...	1229	1.27	--	--	AUG 29...	1139	2.19	--	--
FEB 04...	1235	1.57	1,900	700	SEP 12...	1014	2.71	--	--
MAR 04...	1527	1.42	--	--					



## BROWARD COUNTY—Continued

WELL NUMBER.--260219080141101. Local Number G 1223. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°02'19", long 80°14'11", in SW ¼ SE ¼ NE ¼ sec.3, T.51 S., R.41 E., Hydrologic Unit 03090202, north of NW 33rd Street on Davie Road Extension, and 0.5 mi south of Stirling Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of flange, 8.37 ft above National Geodetic Vertical Datum of 1929. Prior to November 2004, measuring point: Top of base, 8.43 ft above NGVD. From October 1980 to April 2001, measuring point was 8.33 ft above NGVD. Prior to October 1980, measuring point was incorrectly considered to be 7.98 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.3 ft above NGVD.

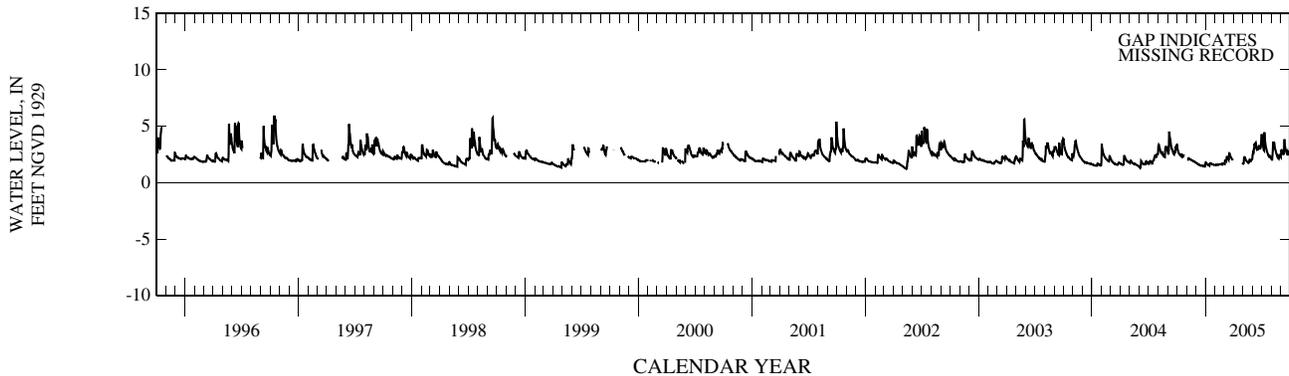
REMARKS.--Revised measuring point elevation April 2001, is the result of reconstruction at this station. The figures of water level as elevation, in feet NGVD, prior to October 1, 1980, are in error. Corrected records are in files of the U.S. Geological Survey. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.45 ft NGVD, Oct. 8, 1991; lowest, 1.18 ft NGVD, Nov. 11, 1968.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.71	2.04	1.67	1.65	1.58	1.96	---	2.25	2.97	3.13	2.79	2.62
10	2.47	2.09	1.58	1.56	1.55	2.27	---	2.04	3.50	3.93	3.50	2.65
15	2.51	2.03	1.51	1.71	1.62	2.10	---	1.83	2.91	3.01	2.75	2.95
20	2.31	1.94	1.51	1.65	1.62	2.48	---	1.78	3.17	2.54	2.30	2.71
25	2.38	1.85	1.45	1.59	1.71	2.16	---	1.91	3.01	2.24	2.26	2.60
EOM	---	1.79	1.69	1.57	1.70	---	1.69	2.07	4.29	2.11	2.25	2.45
MAX	---	---	1.76	1.79	1.71	---	---	2.26	4.29	4.46	3.61	3.76



BROWARD COUNTY—Continued

WELL NUMBER.--260241080112701 Local Number G 2785. USGS Observation Well near Dania, FL.

LOCATION.--Lat 26°02'41", long 80°11'27", in NW ¼ NW ¼ NE ¼ sec.6, T.51 S., R.42 E., Hydrologic Unit 03090202, 33 ft east of BellSouth structure, on the west side of North 46th Avenue and 200 ft south of Stirling Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 197 ft, cased to 192 ft, screened 192 to 197 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Measuring point: Top of casing, 6.63 ft above National Geodetic Vertical Datum of 1929. Between March 2, 2001 and June 5, 2002, measuring point was top of base, 10.34 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

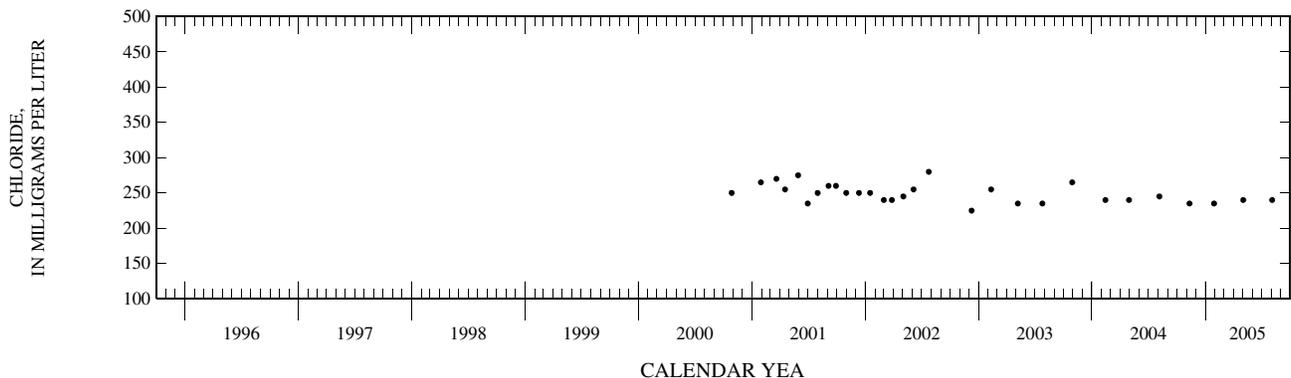
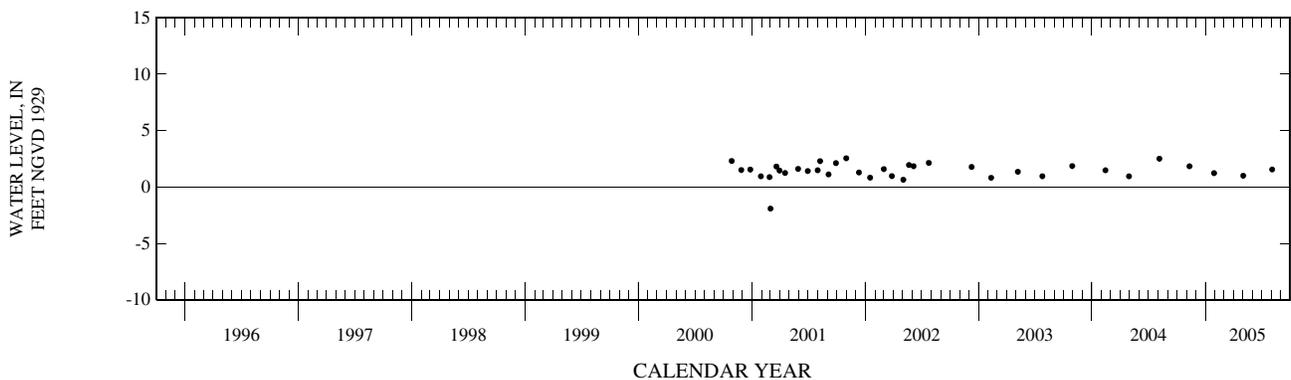
REMARKS.--Well is also used for salinity sampling, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Quarterly water-level measurements began in October, 2000. Between March 2, 2001 and June 5, 2002 the station was temporarily reconstructed for continuous water-level and conductivity data collection. These data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 2000 to September 2000 (Intermittent), October 2000 to February 2001 (monthly), March 2001 to June 2002 (daily), June 2002 to current year. See REMARKS.

EXTREMES FOR THE PERIOD OF RECORD.--Highest daily maximum water level, 3.97 ft NGVD, Sept. 29, 2001; lowest water level measured, 1.92 ft below NGVD, Mar. 1, 2001.

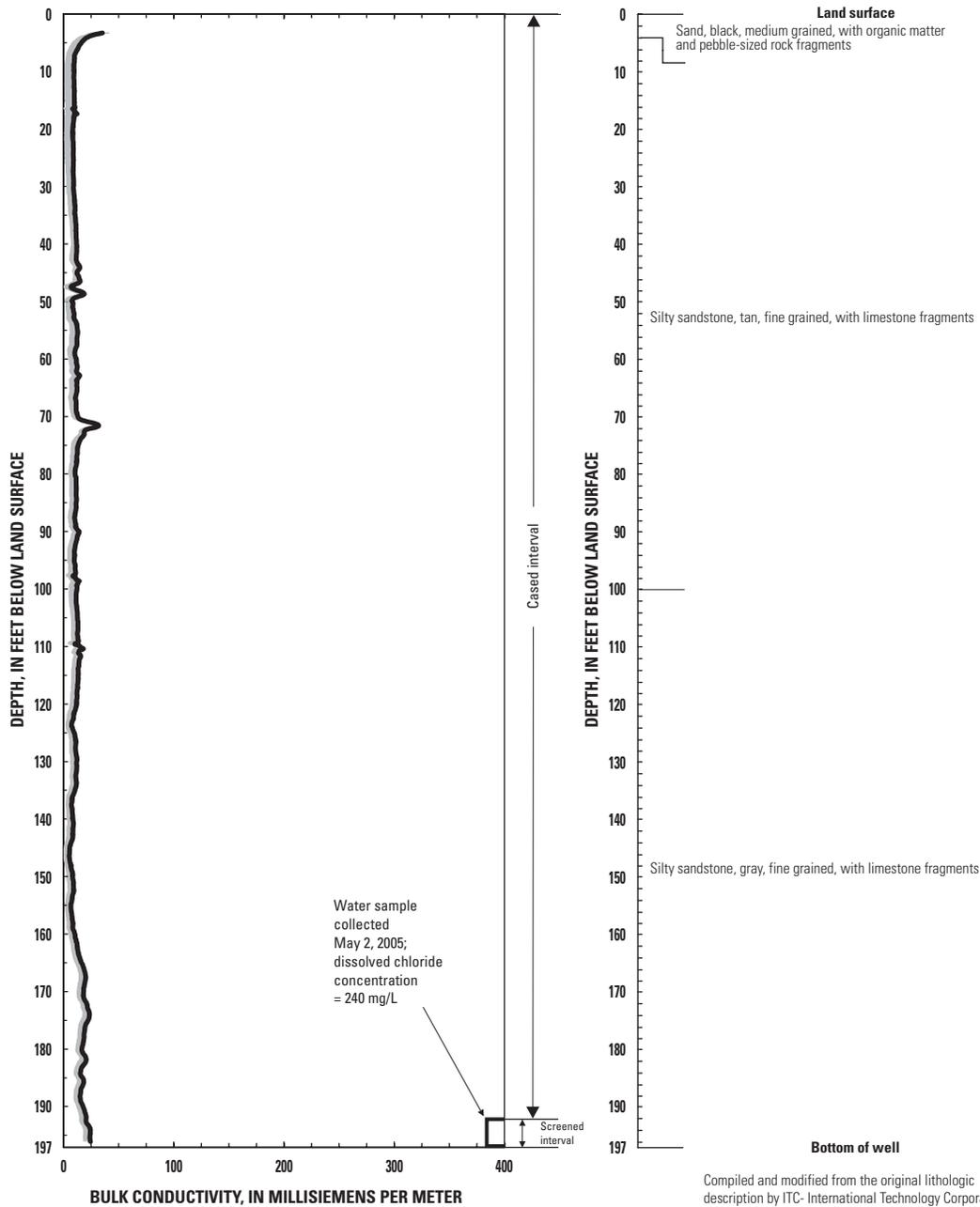
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV					MAY				
10...	1149	1.83	1,290	235	02...	1413	.99	1,400	240
JAN					AUG				
28...	1102	1.22	1,300	235	03...	1202	1.55	1,380	240



**Induction log for Well 260241080112701, Local Number G-2785**

**BULK CONDUCTIVITY**



Compiled and modified from the original lithologic description by ITC- International Technology Corporation.

**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, May 2, 2005.
- ▒ Shaded area represents range of measurement in bulk conductivity logs collected from April 17, 2000 to April 29, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

## BROWARD COUNTY—Continued

WELL NUMBER.--260325080113901. Local Number G 2900. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°03'25", long 80°11'39", in SE 1/4 NW 1/4 sec.31, T.50 S., R.42 E., Hydrologic Unit 03090202, 29 ft south of a storm drain on the east side of SW 35th Terrace, 0.45 mi south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 114.5 ft, cased to 104.5 ft, screened 104.5 to 114.5 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer and conductivity probe.

DATUM.--Measuring point: Top of base, 9.44 ft above National Geodetic Vertical Datum of 1929. Prior to February 15, 2001, measuring point was top of casing 5.98 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.0 ft above NGVD.

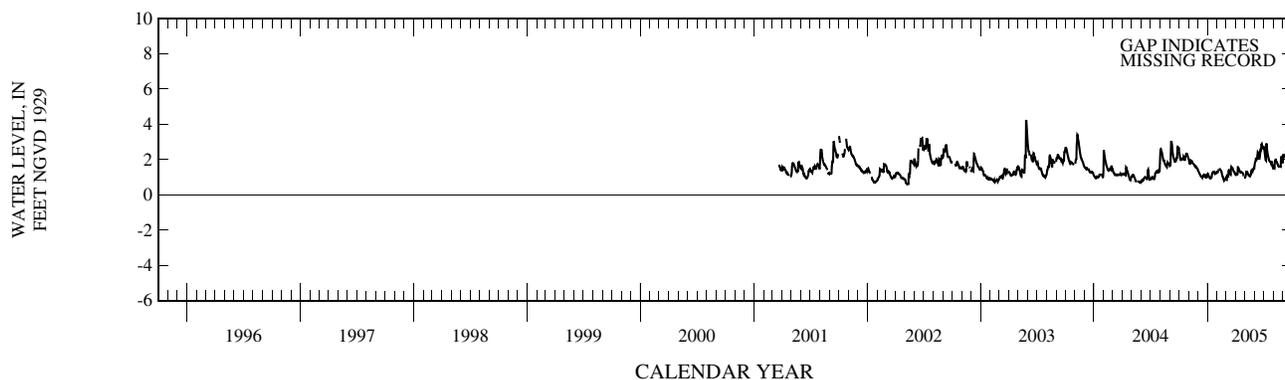
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Station was reconstructed in February 2001, for the collection of continuous water-level, temperature and specific conductance data. Because of the failure of a conductance probe element, specific conductance data, originally collected October 2004 to February 2005, has been removed from the station data record. Temperature records are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--Water Level Measurements: October 2000 to March 2001 (monthly), March 2001 to current year. Induction Logging: April 2000 to current year (annually). Specific Conductance: March 2001 to current year. Chloride concentration: October 2000 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.20 ft NGVD, May 27, 28, 2003; lowest, 0.62 ft NGVD, May 8, 10, 11, 2002. Highest daily mean specific conductance, 11,190 microsiemens, June 2, 2005; lowest, 7,718 microsiemens, Oct. 27, 2001.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.04	1.76	1.24	1.05	1.40	1.06	1.14	1.32	2.03	2.13	1.85	2.20
10	2.01	1.92	1.06	0.93	1.45	1.40	1.55	1.24	2.23	2.85	1.91	2.26
15	2.17	1.77	0.98	1.19	1.25	1.17	1.29	1.09	2.12	2.17	1.71	2.37
20	2.08	1.67	1.11	1.30	0.95	1.55	1.28	1.15	2.53	1.90	1.60	2.49
25	2.34	1.57	1.17	1.21	0.85	1.36	1.20	1.33	2.79	1.84	2.02	2.16
EOM	2.07	1.44	1.18	1.29	0.94	1.17	1.00	1.50	2.66	1.52	1.86	2.01
MAX	2.47	2.03	1.41	1.31	---	1.59	---	1.51	2.89	2.92	2.16	2.52



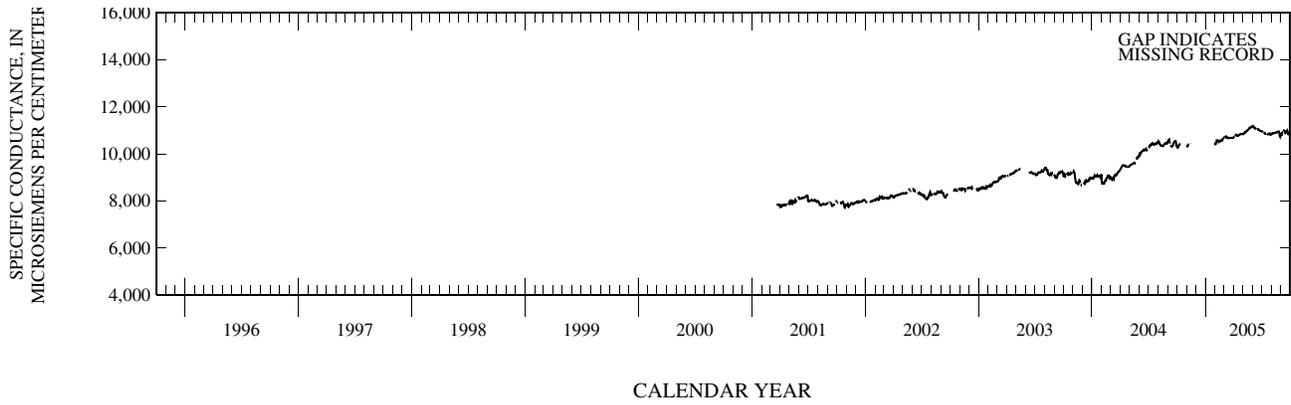
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10,300	10,390	---	---	10,570	10,750	---	10,900	11,140	10,930	10,880	10,900
10	10,440	---	---	---	10,560	10,720	10,800	10,930	11,090	10,880	10,890	11,000
15	---	---	---	---	10,540	10,680	10,790	10,990	11,050	---	10,900	10,920
20	---	---	---	---	10,580	10,690	10,820	11,080	11,050	10,840	10,930	11,000
25	---	---	---	---	10,630	10,690	10,860	11,110	10,990	10,870	10,960	10,840
EOM	---	---	---	10,410	10,690	10,700	10,840	11,160	10,970	10,830	10,840	10,940
MAX	---	---	---	---	---	---	---	11,160	---	---	10,960	---

e Estimated

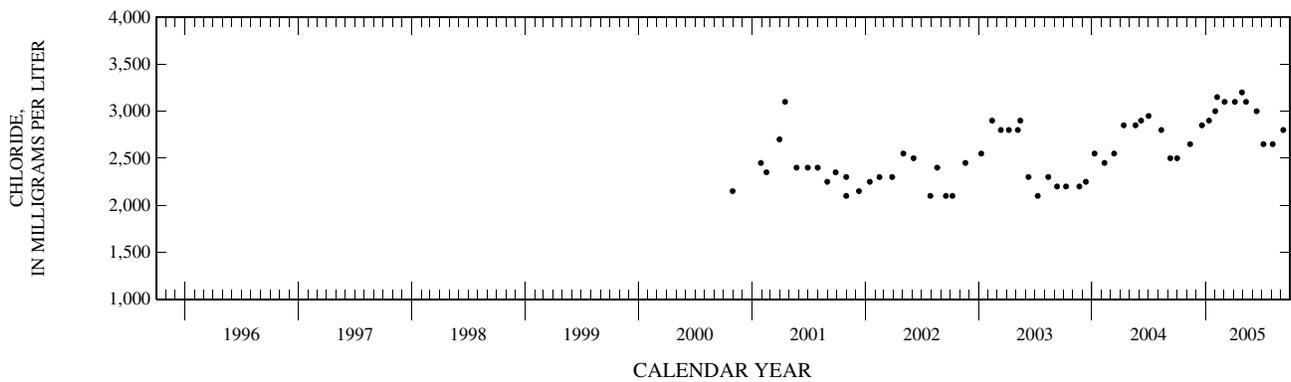
BROWARD COUNTY—Continued

WELL NUMBER.--260325080113901. Local Number G 2900. USGS Observation Well near Fort Lauderdale, FL.



WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

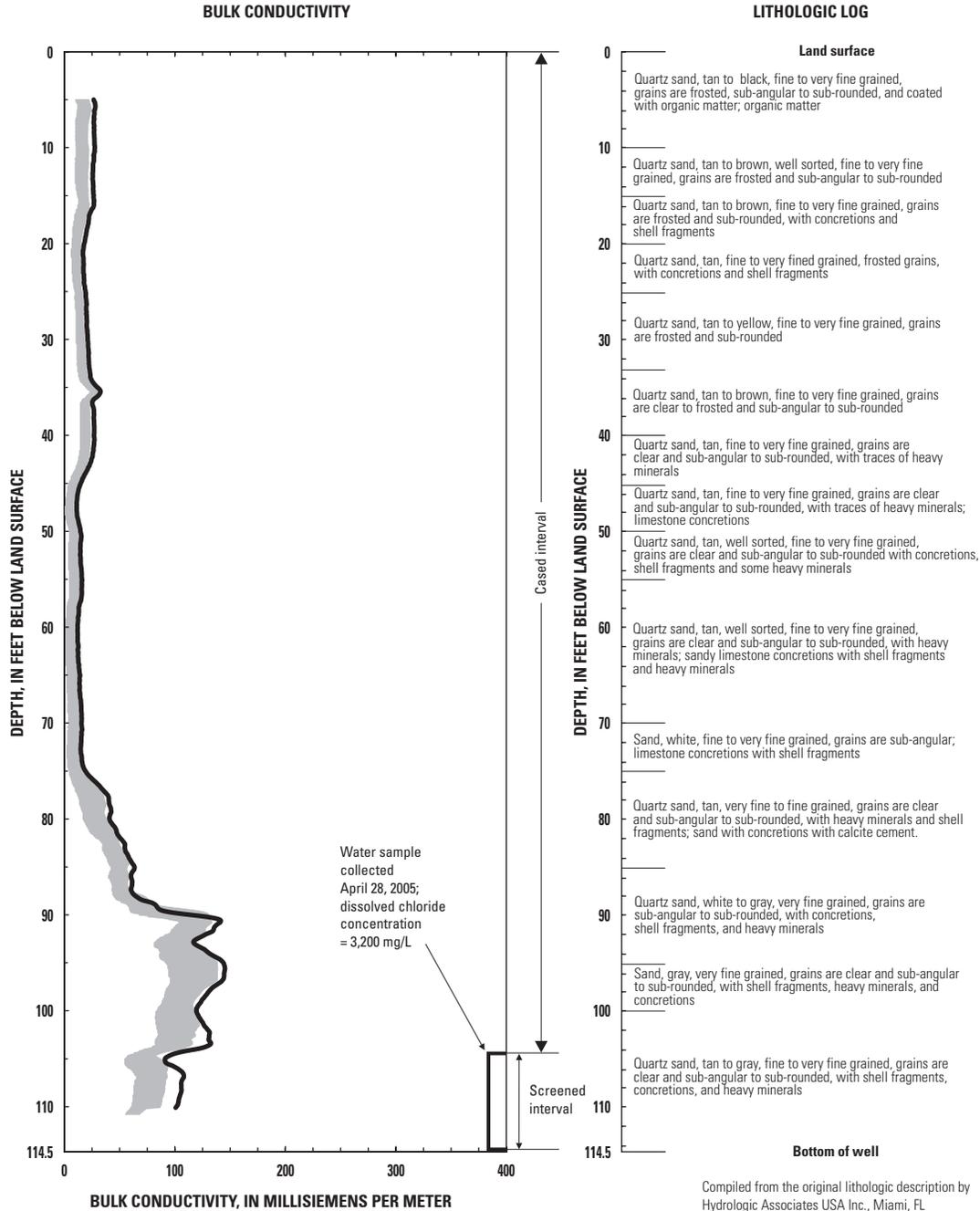
Date	Time	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 01...	1049	8,090	2,500	APR 05...	1041	10,200	3,100
NOV 12...	0919	8,270	2,650	APR 28...	1533	10,200	3,200
DEC 20...	1138	8,970	2,850	MAY 11...	0931	10,500	3,100
JAN 12...	1015	9,230	2,900	JUN 14...	0935	9,560	3,000
FEB 01...	1010	9,550	3,000	JUL 06...	1050	8,640	2,650
FEB 07...	0952	9,910	3,150	AUG 05...	0958	8,630	2,650
MAR 03...	1047	10,200	3,100	SEP 08...	1040	9,150	2,800



BROWARD COUNTY—Continued

WELL NUMBER.--255843080090901. Local Number G 2900. USGS Observation Well near Fort Lauderdale, FL-Continued

Induction log for Well 260325080113901, Local Number G-2900



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 28, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 19, 2000 to May 20, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--260326080120301. Local Number G 2921. USGS Observation Well near Davie, FL.

LOCATION.--Lat 26°03'26", long 80°12'03", in NW ¼ SE ¼ NE ¼ sec. 36, T.50 S., R.41 E., Hydrologic Unit 03090202, at the northwest corner of the intersection of SW 40th Avenue and 52nd Street, 0.40 mi south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 207 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape. Annual profile by induction logger.

DATUM.--Measuring point: Top of casing, 4.01 ft above National Geodetic Vertical Datum of 1929. Prior to January 23, 2004, measuring point was estimated to be 5 ft from a topographic map. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 4.0 ft above NGVD.

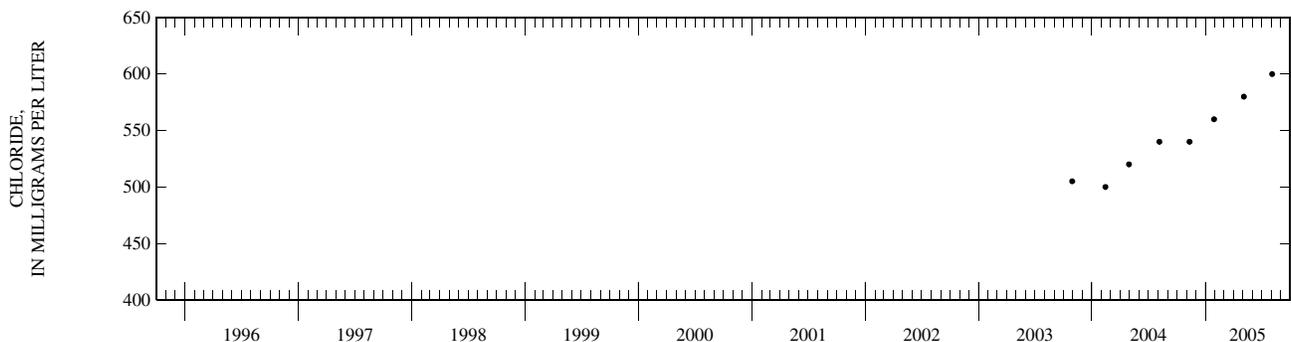
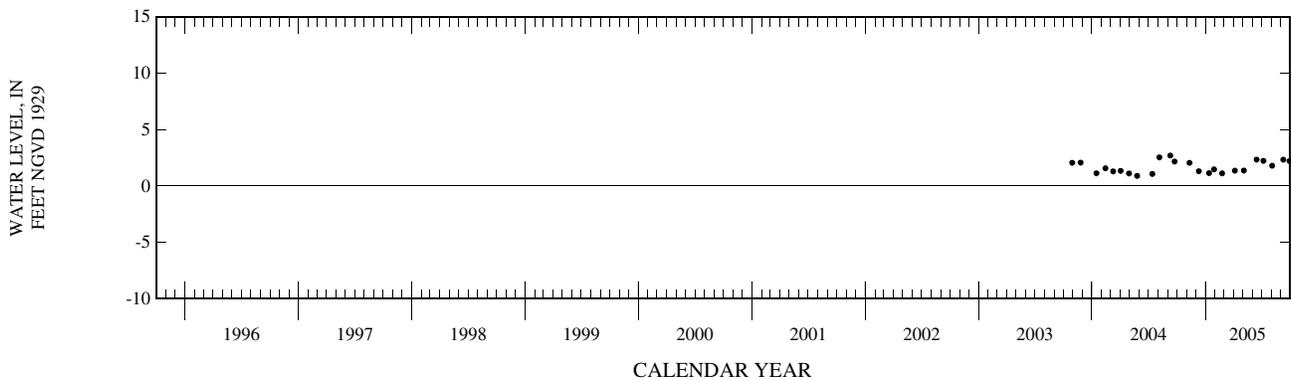
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. The estimated measuring point published prior to January 23, 2004, was not used to compute water-level elevations. All water-level elevation data collected prior to January 23, 2004, were computed using the 4.01 ft measuring point. Water level and chloride concentration monitoring began in October 2003.

PERIOD OF RECORD.--August 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.70 ft NGVD, Sept. 9, 2004; lowest, 0.90 ft NGVD, May 25, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

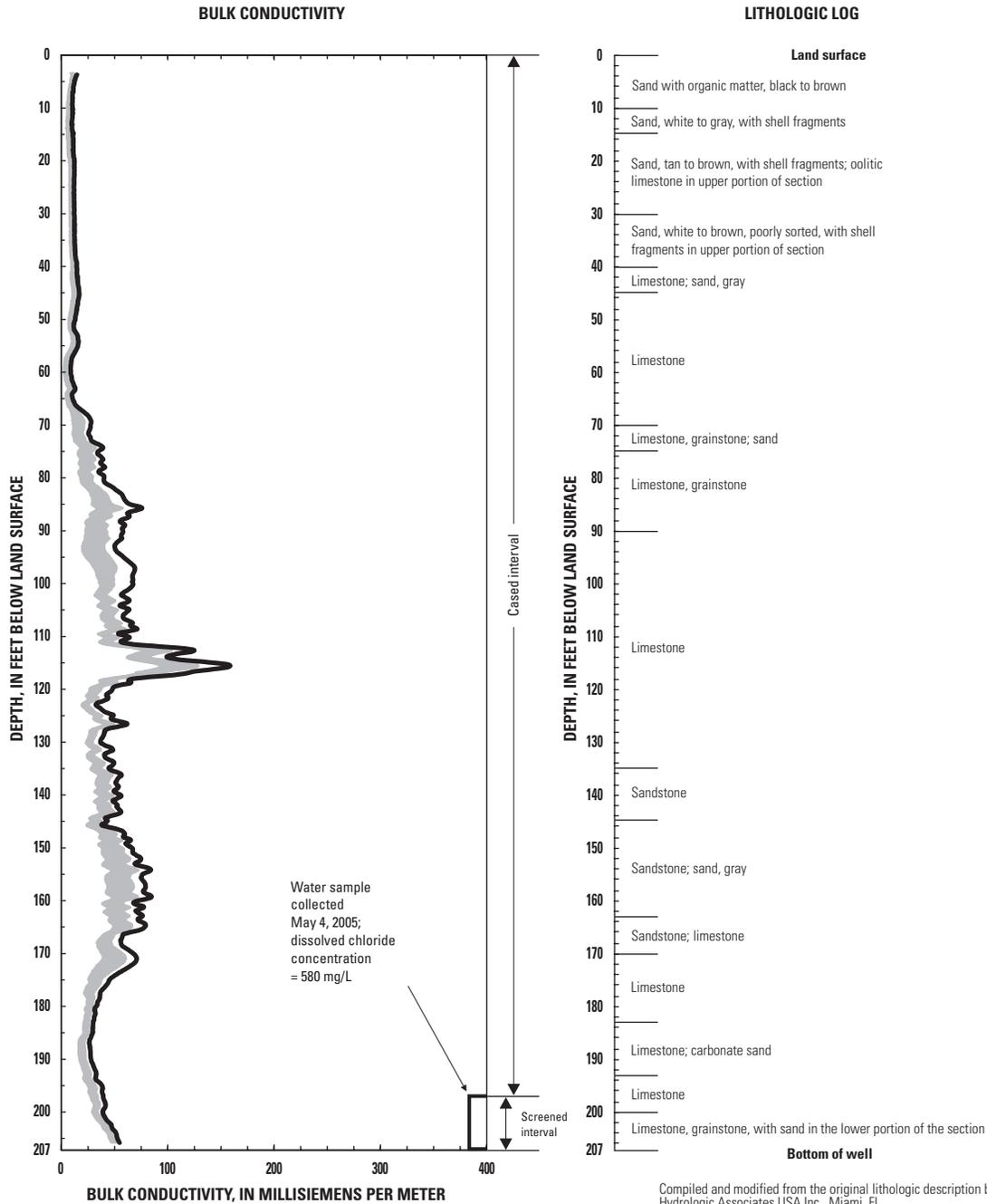
Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 10...	1131	2.05	2,210	540	MAY 04...	0907	1.37	2,470	580
DEC 10...	1017	1.31	--	--	JUN 14...	1135	2.34	--	--
JAN 12...	1537	1.14	--	--	JUL 06...	1215	2.23	--	--
JAN 28...	1132	1.47	2,260	560	AUG 03...	1131	1.80	2,420	600
FEB 23...	1005	1.12	--	--	SEP 08...	1321	2.33	--	--
APR 05...	1225	1.36	--	--	SEP 28...	1153	2.21	--	--



BROWARD COUNTY—Continued

WELL NUMBER.--260326080120301. Local Number G 2921. USGS Observation Well near Davie, FL--Continued

Induction log for Well 260326080120301, Local Number G-2921



Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, May 4, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from August 28, 2000 to April 29, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--260342080115902. Local Number G 2264. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°03'42", long 80°11'59", in NW ¼ NW ¼ NW ¼ sec. 31, T.50 S., R.42 E., Hydrologic Unit 03090202, 34 ft east of center of SW 40th Avenue and south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 203 ft, cased to 196 ft. Open hole 196 to 203 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 4.70 ft above National Geodetic Vertical Datum of 1929. Prior to December 2000, the measuring point was considered to be 3.88 ft above NGVD. SEE REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 4.7 ft above NGVD.

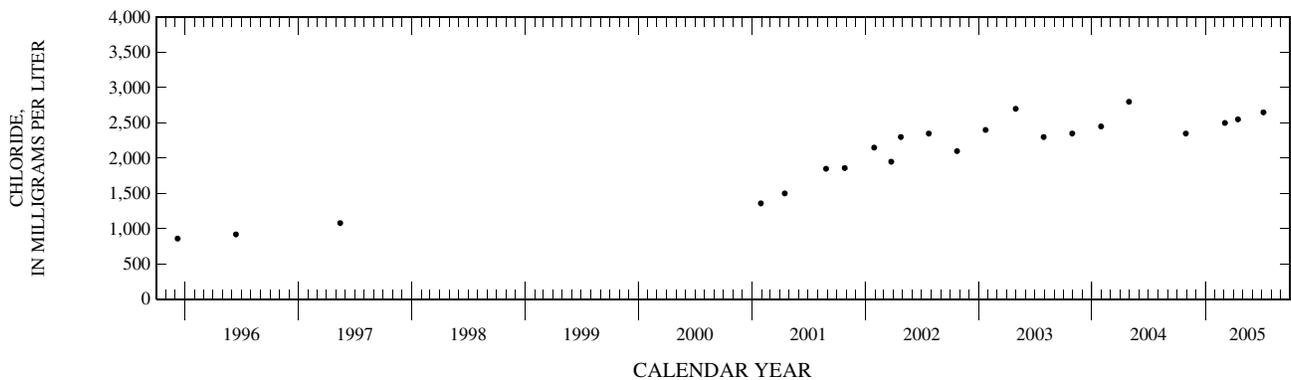
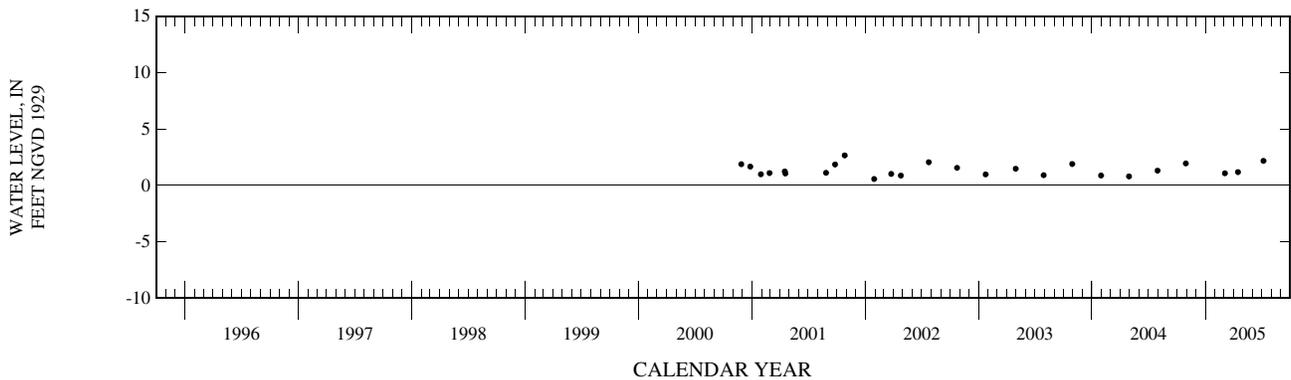
REMARKS.--Well is also used for salinity monitoring. Quarterly water level measurements began in November 2000. Prior to that, well was only monitored for salinity. In December 2000, construction activities altered the land-surface datum and the casing was reconstructed.

PERIOD OF RECORD.--July 1976 to April 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.66 ft NGVD, Oct. 26, 2001; lowest, 0.57 ft NGVD, Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)
OCT 29...	1314	1.95	8,000	2,350	APR 15...	1213	1.18	8,300	2,550
MAR 04...	1448	1.08	7,960	2,500	JUL 06...	1235	2.18	8,160	2,650



BROWARD COUNTY—Continued

WELL NUMBER.--260458080134801. Local Number G 1221. USGS Observation Well in Davie, FL.

LOCATION.--Lat 26°05'08", long 80°13'47", in NE 1/4 SW 1/4 NW 1/4 sec.23, T.50 S., R.41 E., Hydrologic Unit 03090202, at southwest corner of Nova Drive and Davie Road Extension, 0.75 mi south of State Road 84, and 1.6 mi west of the Florida Turnpike.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.58 ft above National Geodetic Vertical Datum of 1929. From October 1982 to November 1983, measuring point was top of shelf, 9.10 ft above NGVD. Prior to March 1979, measuring point was top of casing, 9.53 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 7.1 ft above NGVD. (Corrected).

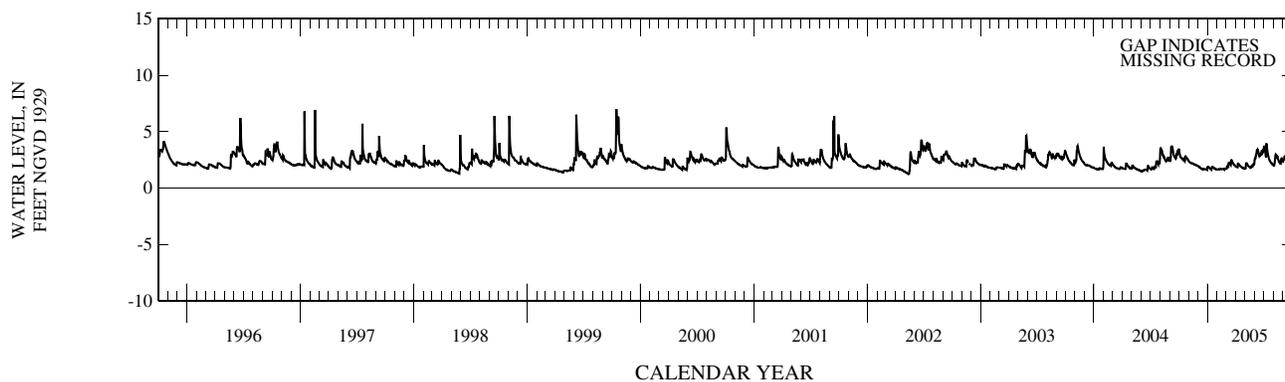
REMARKS.--Records of water levels prior to October, 1973 are available in files of the U.S. Geological Survey. Station was damaged in March 1979 and November 1983.

PERIOD OF RECORD.--December 1962 to March 1979, October 1982 to November 1983, March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.02 ft NGVD, June 22, 1992; lowest, 0.67 ft NGVD, Apr. 30, 1971.

ELEVATION ABOVE NGVD 1929, FEET  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.81	2.28	1.87	1.82	1.66	1.93	1.89	2.20	2.88	3.17	2.33	2.79
10	2.63	2.22	1.75	1.71	1.69	2.25	2.18	2.06	3.29	3.77	2.81	2.81
15	2.63	2.17	1.70	1.88	1.70	2.11	1.97	1.88	2.95	2.87	2.66	2.73
20	2.80	2.10	1.69	1.80	1.69	2.42	1.87	1.81	3.02	2.43	2.27	2.87
25	2.71	2.04	1.68	1.71	1.72	2.13	1.78	1.91	3.27	2.23	2.50	2.70
EOM	2.42	1.98	1.87	1.66	1.73	1.95	1.74	2.10	3.44	2.04	2.35	2.96
MAX	3.29	2.39	1.95	1.90	1.73	2.49	2.18	2.20	3.44	3.97	2.98	3.01



BROWARD COUNTY—Continued

WELL NUMBER.--260515080202101. Local Number G 617. USGS Observation Well in Davie, FL.

LOCATION.--Lat 26°05'15", long 80°20'21", in SE 1/4 SE 1/4 SW 1/4 sec.15, T.50 S., R.40 E., Hydrologic Unit 03090202, on SW 26th Street, west of SW 142nd Avenue, 1.8 mi north of South New River Canal, 6.5 mi west of Davie and 14.2 mi west of Fort Lauderdale.

AQUIFER.--Biscayne aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 29 ft, cased to 28 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.59 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

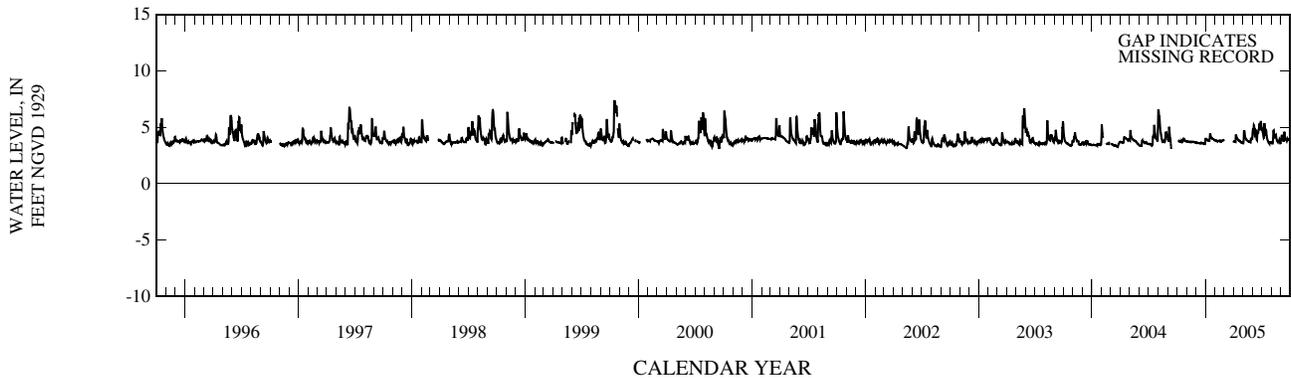
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.40 ft NGVD, Oct. 15, 1999; lowest, 2.46 ft NGVD, June 7, 1962.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	3.72	3.59	3.93	3.83	---	3.72	4.72	5.19	4.33	3.64	4.17
10	3.73	3.71	3.61	3.84	3.77	---	4.18	4.04	4.78	4.95	4.15	4.32
15	3.81	3.73	3.56	4.38	3.85	---	3.92	3.82	3.86	4.70	4.35	3.97
20	3.94	3.72	3.60	4.05	3.74	---	3.77	3.72	4.72	3.82	3.75	3.89
25	3.92	3.68	3.60	3.95	3.85	---	3.65	3.66	4.96	3.53	3.82	3.92
EOM	3.75	3.68	3.97	3.84	3.86	3.74	3.61	3.96	4.71	3.65	3.89	3.94
MAX	---	3.77	3.97	4.38	3.87	---	4.35	4.72	5.48	5.37	4.73	4.60



BROWARD COUNTY—Continued

WELL NUMBER.--260534080110801. Local Number G 2904. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'36", long 80°11'09", in SW 1/4 SW 1/4 SW 1/4 sec.17, T.50 S., R.42 E., Hydrologic Unit 03090202, at St. Ambrose Church, 16 ft east of SW 31st Avenue, northeast of the intersection of SW 31st Avenue and SW 23rd Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 126 ft, cased to 116 ft, screened 116 to 126 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 5.04 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.0 ft above NGVD.

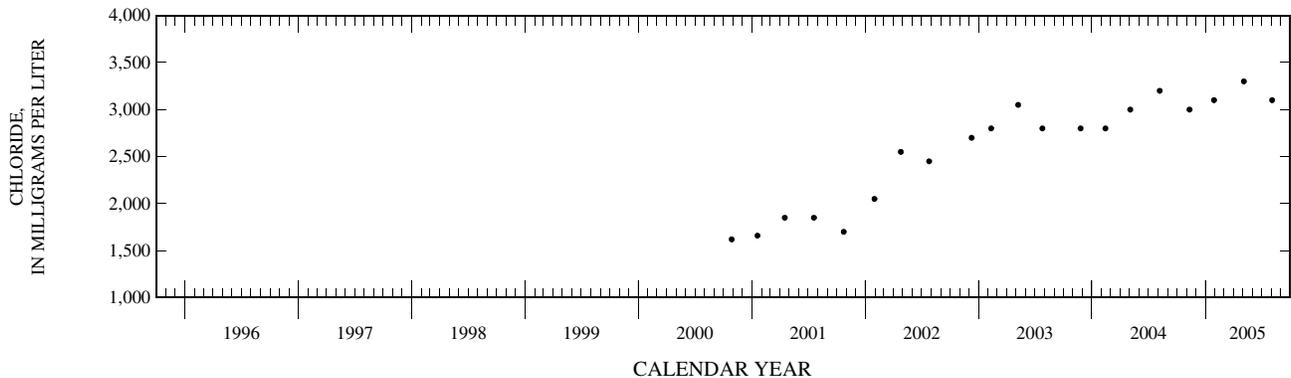
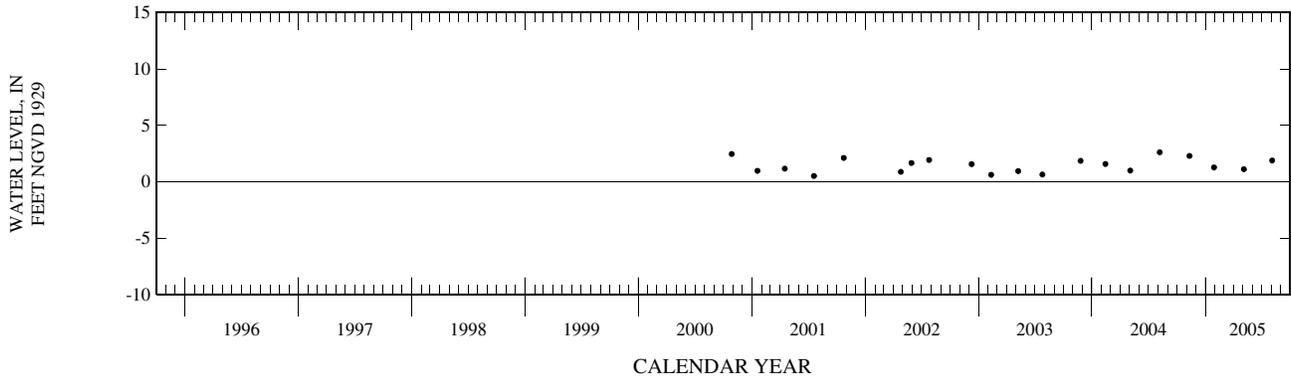
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Quarterly water-level measurements began in October 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 2.62 ft NGVD, Aug. 6, 2004; lowest, 0.52 ft NGVD, July 19, 2001.

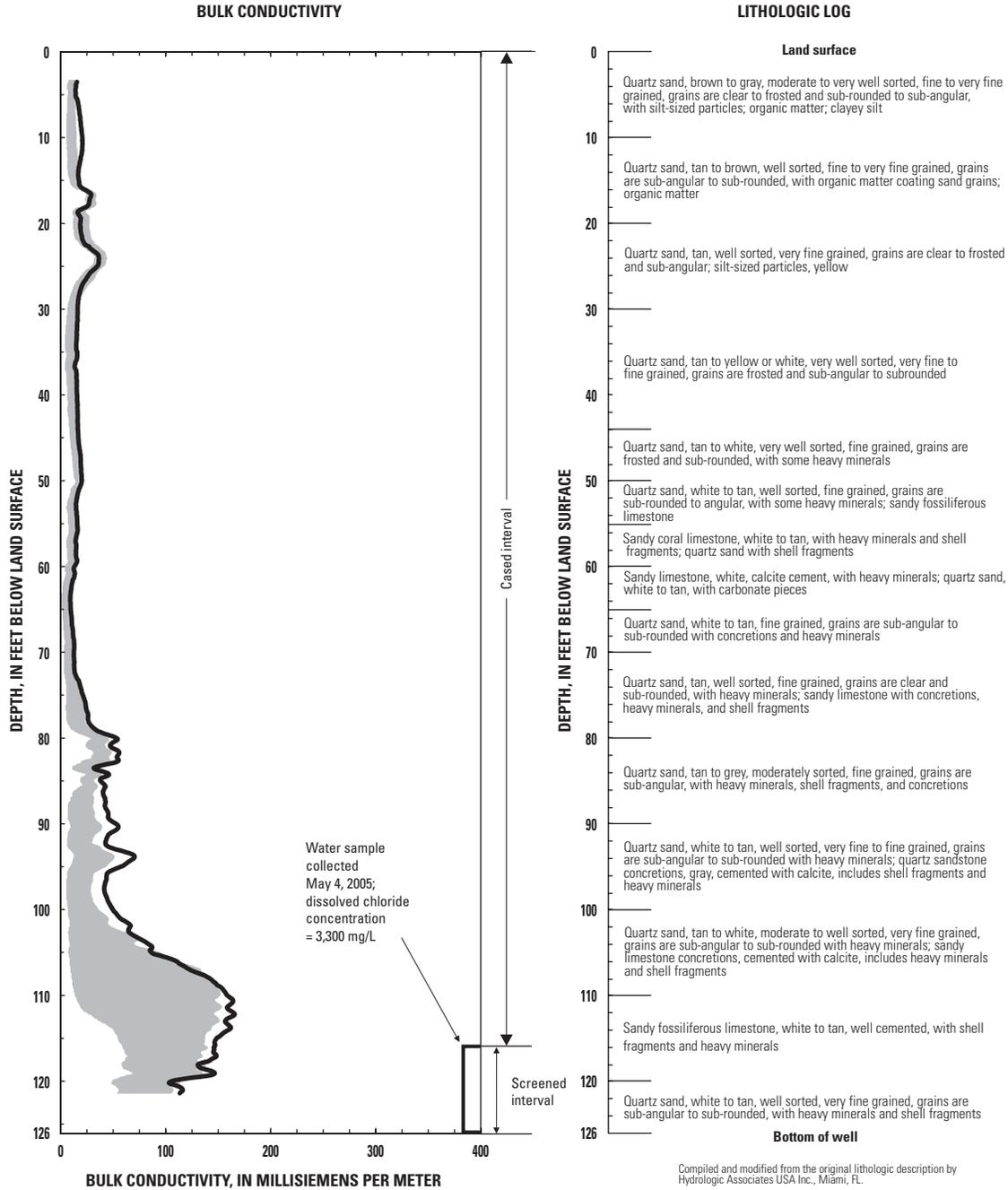
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 10...	1009	2.30	9,410	3,000	MAY 04...	1051	1.12	11,000	3,300
JAN 28...	1308	1.28	9,770	3,100	AUG 03...	1009	1.90	10,100	3,100



WELL NUMBER.--260534080110801. Local Number G 2904. USGS Observation Well near Fort Lauderdale, FL-Continued

Induction log for Well 260534080110801, Local Number G-2904



Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, May 4, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 19, 2000 to May 3, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

## BROWARD COUNTY—Continued

WELL NUMBER.--260545080082001. Local Number G 561. USGS Observation Well at Fort Lauderdale, FL.

LOCATION.--Lat 26°05'45", long 80°08'20", in NE ¼ SE ¼ SE ¼ sec.15, T.50 S., R.42 E., Hydrologic Unit 03090202, at SE 4th Avenue and 20th Street in Fort Lauderdale, 0.2 mi west of U.S. Highway 1, and 0.3 mi north of State Road 84.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 20 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.40 ft above National Geodetic Vertical Datum of 1929. From March 1987 to October 2003, measuring point was considered to be top of base, 10.11 ft above NGVD. From October 1991 to October 1998, measuring point was incorrectly considered to be 10.12 ft above NGVD. From February 24, 1986 to March 1987, measuring point was top of shelf, 9.90 ft above NGVD. From February 9, 1948 to February 24, 1986, measuring point was 9.85 ft above NGVD. Prior to September 1982, measuring point was reported as top of casing, 10.95 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.5 ft above NGVD.

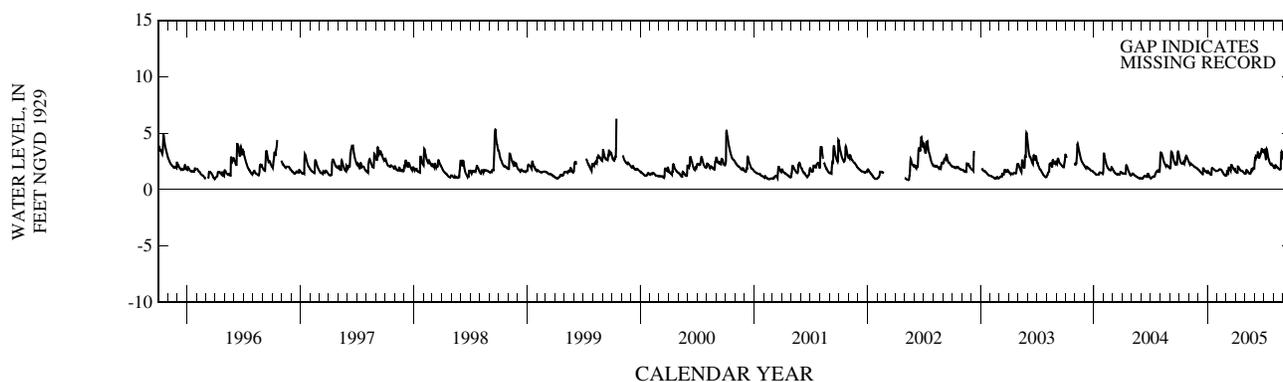
REMARKS.--On May 2003, it was noted that the casing of the well at land surface had corroded through and the well casing above land surface was unstable. The station was reconstructed in October 2003 to stabilize the well casing. A check of the measuring point elevation conducted prior to reconstruction indicated that the measuring point elevation was 10.13 ft above NGVD. The measuring point elevation was 10.11 ft above NGVD when surveyed in May 1987. Water-level data collected from March 1987 to October 2003 may be in error by -0.02 ft. An incorrect measuring point elevation was used from October 1991 to October 1998. Published records of water level as elevation from this period are in error by +0.01 ft. Because these changes in the measuring point are minor, historical water level elevation data have not been corrected. Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey. See DATUM and PERIOD OF RECORD.

PERIOD OF RECORD.--February 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.40 ft NGVD, Oct. 5, 1948; lowest, 0.05 ft NGVD, July 2, 1952.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.52	2.22	1.71	1.51	1.72	1.60	1.49	1.71	3.02	3.11	1.92	2.85
10	2.31	2.21	1.52	1.35	1.80	1.95	2.02	1.64	2.97	3.60	2.08	2.92
15	2.49	2.15	1.37	1.92	1.72	1.73	1.76	1.44	2.88	2.84	1.92	2.99
20	2.73	2.02	1.82	1.82	1.48	2.14	1.67	1.53	3.15	2.39	1.79	3.33
25	2.98	1.93	1.62	1.70	1.27	1.86	1.60	1.74	3.58	2.28	2.56	3.01
EOM	2.53	1.84	1.63	1.67	1.28	1.61	1.42	1.85	3.32	2.14	2.94	2.61
MAX	3.00	2.49	1.89	1.92	1.80	2.19	2.05	1.92	3.59	3.60	3.36	3.45



BROWARD COUNTY—Continued

WELL NUMBER.--260547080105801. Local Number G 2352. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'46", long 80°10'58" in SE 1/4 NW 1/4 SW 1/4 sec.17, T.50 S., R.42 E., Hydrologic Unit 03090202, 200 ft south of intersection of SW 29th Avenue and SW 19th Court, on western side of SW 29th Avenue, 20 ft from street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 171 ft, cased to 171 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 4.91 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 4.9 ft above NGVD.

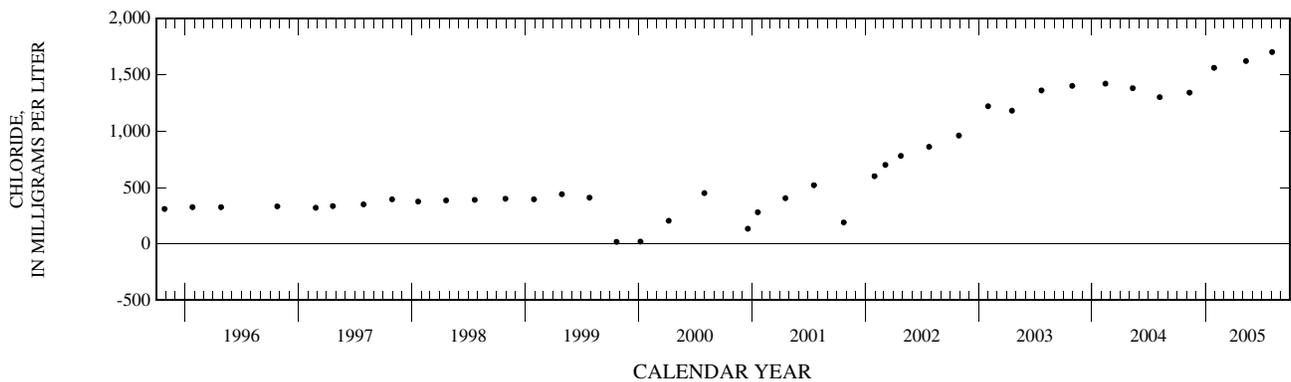
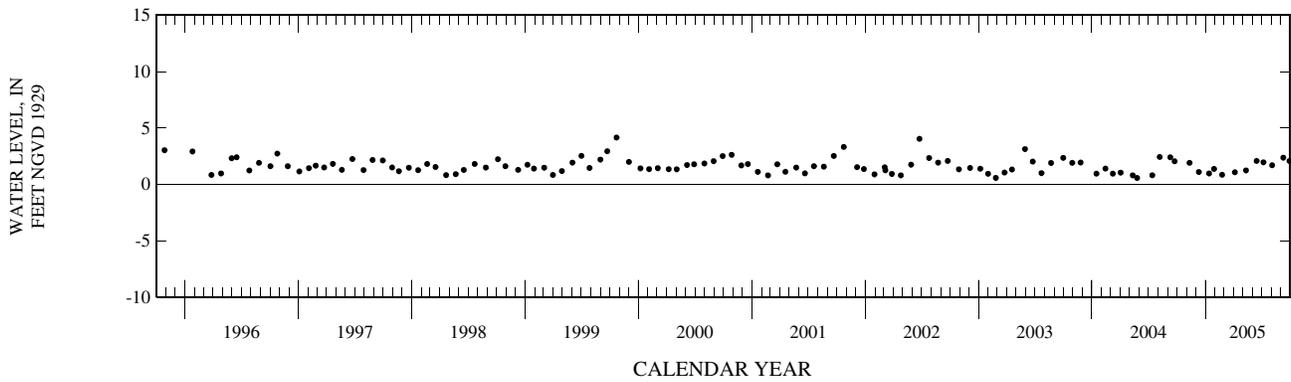
REMARKS.--Well also used for salinity monitoring since June 1981. Water level monitoring began in October 1995. See PERIOD OF RECORD.

PERIOD OF RECORD.--June 1981 to September 1995 (intermittent), October 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.16 ft NGVD, Oct. 22, 1999; lowest, 0.58 ft NGVD, May 25, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV					MAY				
10...	1045	1.92	4,570	1,340	11...	1311	1.25	5,780	1,620
DEC					JUN				
10...	0956	1.11	--	--	14...	1225	2.09	--	--
JAN					JUL				
12...	1518	.98	--	--	06...	1250	1.97	--	--
28...	1230	1.38	5,180	1,560	AUG				
FEB					03...	0916	1.71	5,920	1,700
23...	1032	.86	--	--	SEP				
APR					08...	1339	2.38	--	--
05...	1255	1.09	--	--	28...	1137	2.08	--	--



BROWARD COUNTY—Continued

WELL NUMBER.--26055108011901. Local Number G 2957. USGS Observation Well near Ft. Lauderdale, FL.

LOCATION.--Lat 26°05'51", long 80°11'19", in NE ¼ SE ¼ sec.18, T.50 S., R.42 E., Hydrologic Unit 03090202, at the northeast corner of the intersection of SW 20th Street and SW 33rd Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 190 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

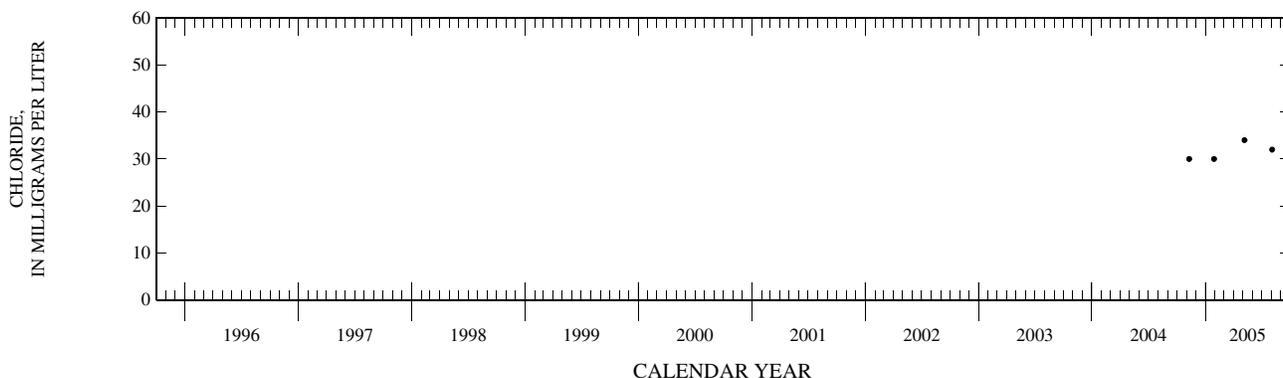
LAND-SURFACE DATUM.--Land surface is approximately 6 ft above NGVD, from topographic map.

REMARKS.--Well also used for salinity sampling, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Quarterly water-level measurements began in November 2004. Water-level data are available in the files of the U.S. Geological Survey.

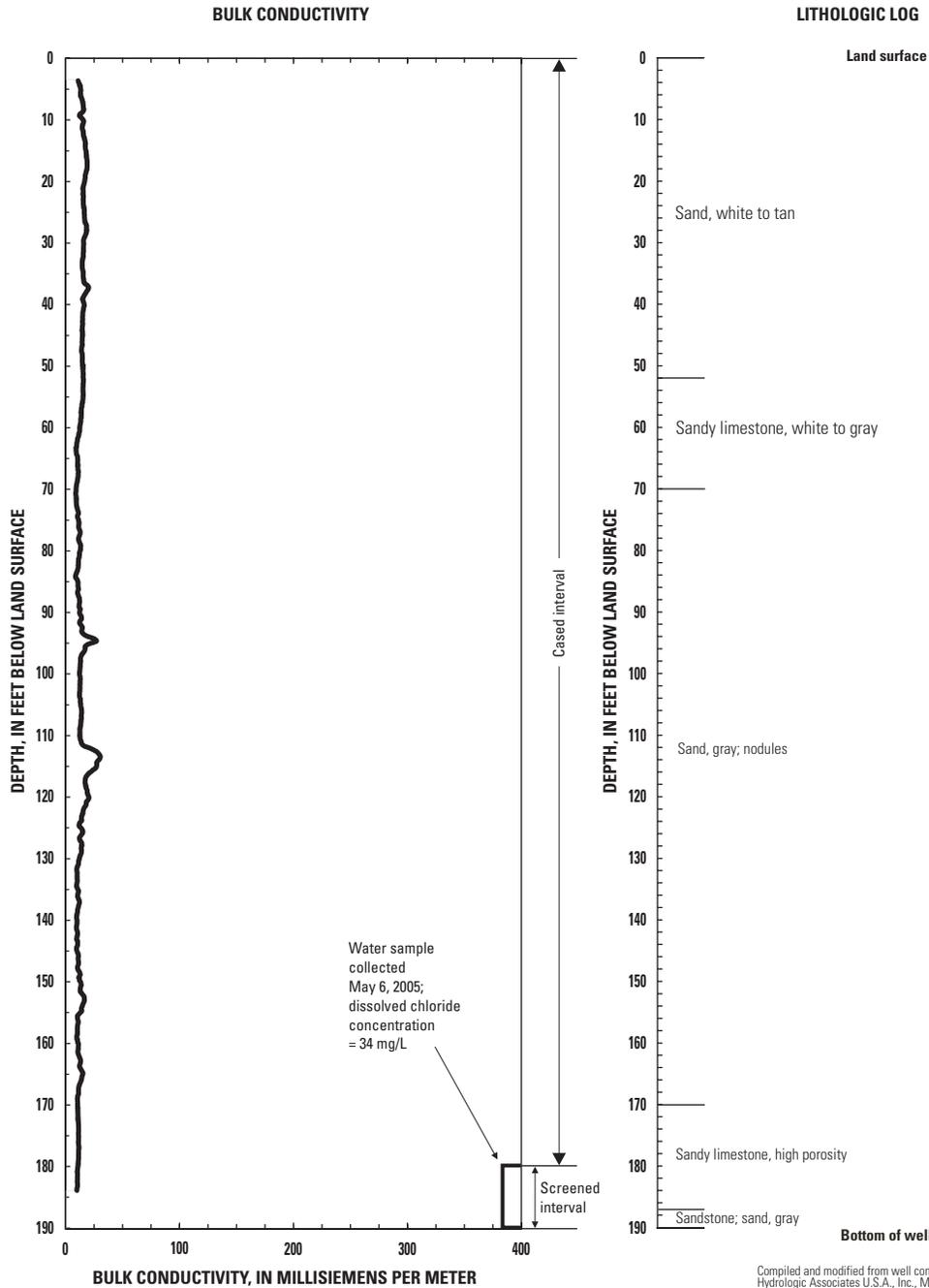
PERIOD OF RECORD.--November 2004 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 09...	1415	545	30.0	MAY 06...	1008	570	34.0
JAN 28...	1340	541	30.0	AUG 03...	0946	562	32.0



Induction log for Well 260551080111901, Local Number G-2957



Compiled and modified from well completion log filed by Hydrologic Associates U.S.A., Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, May 4, 2005.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--260638080104801. Local Number G 2902. USGS Observation Well near Melrose Park, FL.

LOCATION.--Lat 26°06'38", long 80°10'48", in SE 1/4 NE 1/4 SW 1/4 sec. 8, T.50 S., R.42 E., Hydrologic Unit 03090202, at Triangle Park near the southwest corner of SW 8th Street and SW 28th Avenue, 0.75 mi south of Broward Boulevard.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 190 ft, cased to 180 ft, screened 180 to 190 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 7.03 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.0 ft above NGVD.

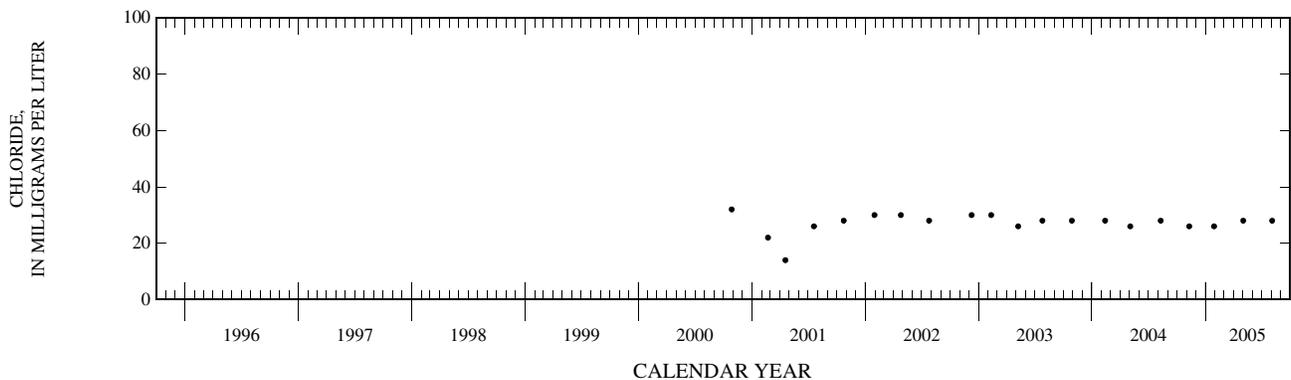
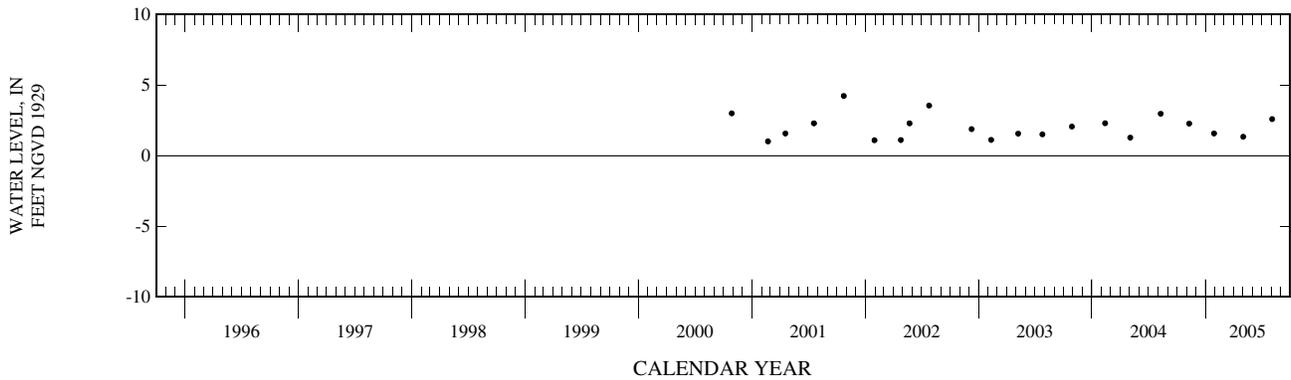
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Induction logging began in April 2001.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.23 ft NGVD, Oct. 23, 2001; lowest, 1.01 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

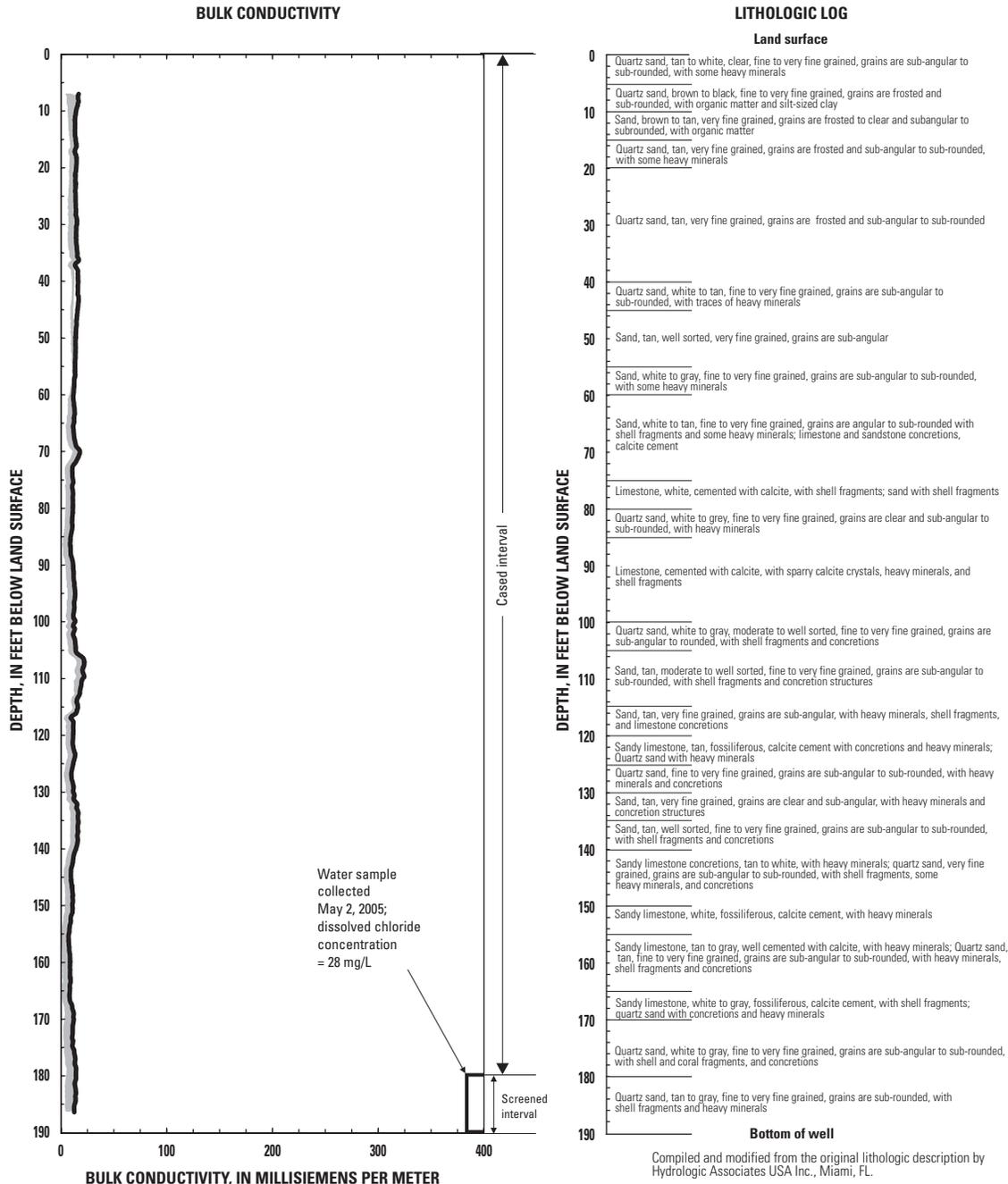
Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 09...	1347	2.27	504	26.0	MAY 02...	1154	1.34	545	28.0
JAN 28...	1407	1.57	518	26.0	AUG 03...	0850	2.59	534	28.0



BROWARD COUNTY—Continued

WELL NUMBER.--260638080104801. Local Number G 2902. USGS Observation Well near Melrose Park, FL-Continued

Induction log for Well 260638080104801, Local Number G-2902



EXPLANATION

-  Bulk conductivity, in millisiemens per meter, May 2, 2005.
-  Shaded area represents range of measurement in bulk conductivity logs collected from April 18, 2001 to May 3, 2004.
-  Bracket represents the interval for which the well is open to the aquifer.

Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

BROWARD COUNTY—Continued

WELL NUMBER.--260653080184901. Local Number G 2034. USGS Observation Well near Davie, FL.

LOCATION.--Lat 26°02'02", long 80°23'07", in NE ¼ SE ¼ sec.6, T.51 S., R.40 E., Hydrologic Unit 03090202, at SW 178th Avenue (Rolling Oaks Road) and SW 68th Court, 1.9 mi south of Griffin Road and east of Mathus Drive, 7.8 mi west of Davie.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.44 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.3 ft above NGVD.

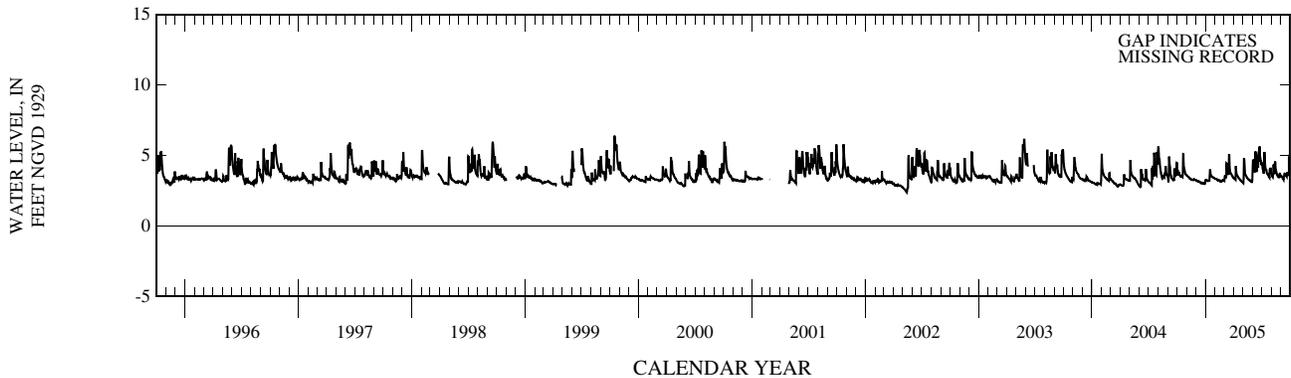
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.40 ft NGVD, Oct. 15, 1999; lowest, 1.49 ft NGVD, May 6, 1975.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.66	3.49	3.18	3.24	3.33	3.48	3.33	4.75	4.73	3.91	3.46	3.44
10	3.57	3.39	3.17	3.21	3.24	4.43	3.73	3.62	5.29	4.96	3.75	3.45
15	3.63	3.33	3.07	4.01	3.24	3.67	3.50	3.42	3.83	3.99	4.01	3.60
20	5.09	3.28	3.05	3.52	3.16	3.96	3.33	3.28	5.09	3.67	3.58	3.74
25	3.96	3.31	3.04	3.44	3.24	3.65	3.19	3.18	4.95	3.43	3.62	3.61
EOM	3.60	3.25	3.26	3.36	3.24	3.43	3.09	3.19	4.46	3.74	3.51	3.99
MAX	5.09	3.59	3.26	4.01	3.35	5.04	4.26	4.81	5.64	5.25	4.57	4.91



BROWARD COUNTY—Continued

WELL NUMBER.--260657080122301. Local Number S 329. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°06'57", long 80°12'23", in SW 1/4 NE 1/4 sec.12, T.50 S., R.41 E., Hydrologic Unit 03090202, 200 ft south of SW 4th Street on west side of Country Club Circle, and 0.3 mi west of U.S. Highway 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 4 in., depth 68 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 12.44 ft above National Geodetic Vertical Datum of 1929. From August 23, 1949 to September 30, 1997, measuring point was top of casing, 12.38 ft above NGVD. Prior to August 23, 1949, measuring point was 10.42 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 9.2 ft above NGVD.

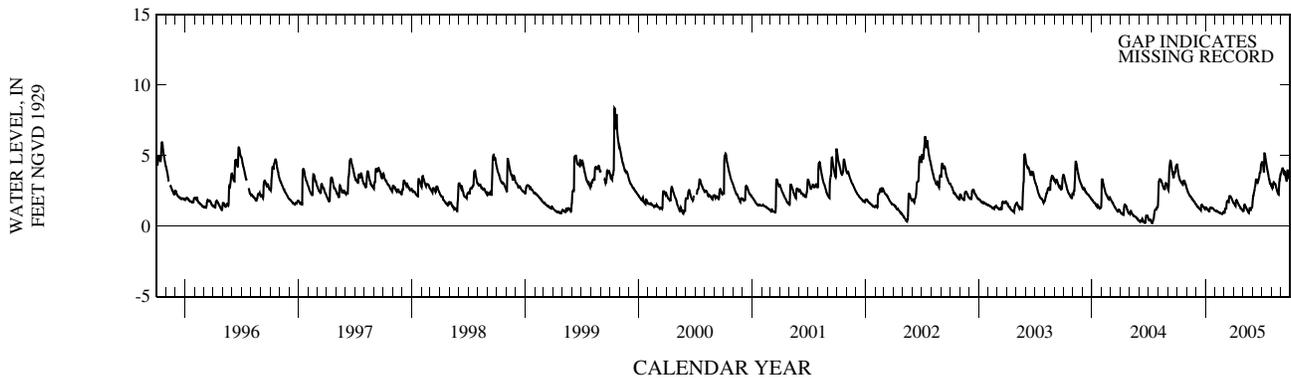
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.76 ft NGVD, Oct. 17, 1947; lowest, 1.26 ft below NGVD, May 2, 1975.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.77	2.40	1.41	1.24	1.10	1.25	1.51	1.48	2.34	4.24	2.75	4.09
10	3.26	2.20	1.28	1.11	1.02	1.68	1.86	1.39	2.93	5.16	3.03	3.64
15	3.11	2.07	1.17	1.31	0.96	1.75	1.64	1.15	3.19	4.49	2.87	3.53
20	3.07	1.92	1.53	1.29	0.90	2.14	1.43	0.94	3.30	3.85	2.44	3.84
25	3.21	1.74	1.38	1.26	0.94	1.98	1.23	1.17	3.81	3.31	2.72	3.64
EOM	2.76	1.57	1.27	1.12	1.03	1.68	1.10	1.37	4.49	2.94	3.71	3.33
MAX	4.36	2.65	1.55	1.34	1.11	2.14	1.86	1.53	4.49	5.16	3.71	4.11



BROWARD COUNTY—Continued

WELL NUMBER.--260737080103302. Local Number G 2901R. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°07'38", long 80°10'33", in NW ¼ SE ¼ sec.5, T.50 S., R.42 E., Hydrologic Unit 03090202, 167 ft east of the west parking lot in Reverend Samuel Delevoe Park, southeast of the intersection of Sistrunk Boulevard and NW 27th Avenue. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 205 ft, cased to 195 ft, screened 195 to 205 ft.

INSTRUMENTATION.--Quarterly measurement by chalked tape.

DATUM.--Measuring point: Top of casing, 4.45 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 4.4 ft above NGVD.

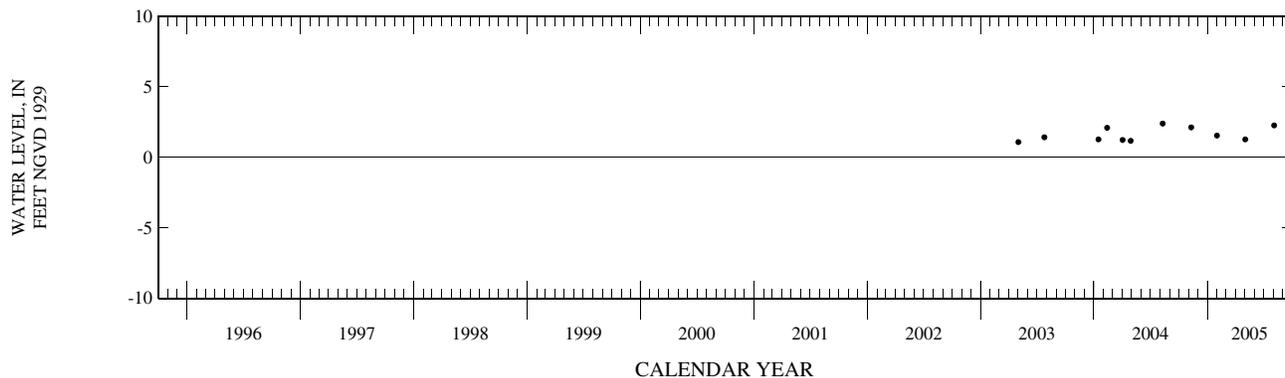
REMARKS.--G-2901R replaces G-2901, which had a separated casing and was 110 ft south-southwest of G-2901R. G-2901R can not be purged sufficiently for chloride-concentration sampling. Sampling was discontinued in January 2004. Induction logs are collected annually. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Metal well centralizers were installed during well construction. Metal objects interfere with probe operation when present.

PERIOD OF RECORD.--May 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.40 ft NGVD, Aug. 9, 2004; lowest, 1.09 ft NGVD, May 2, 2003.

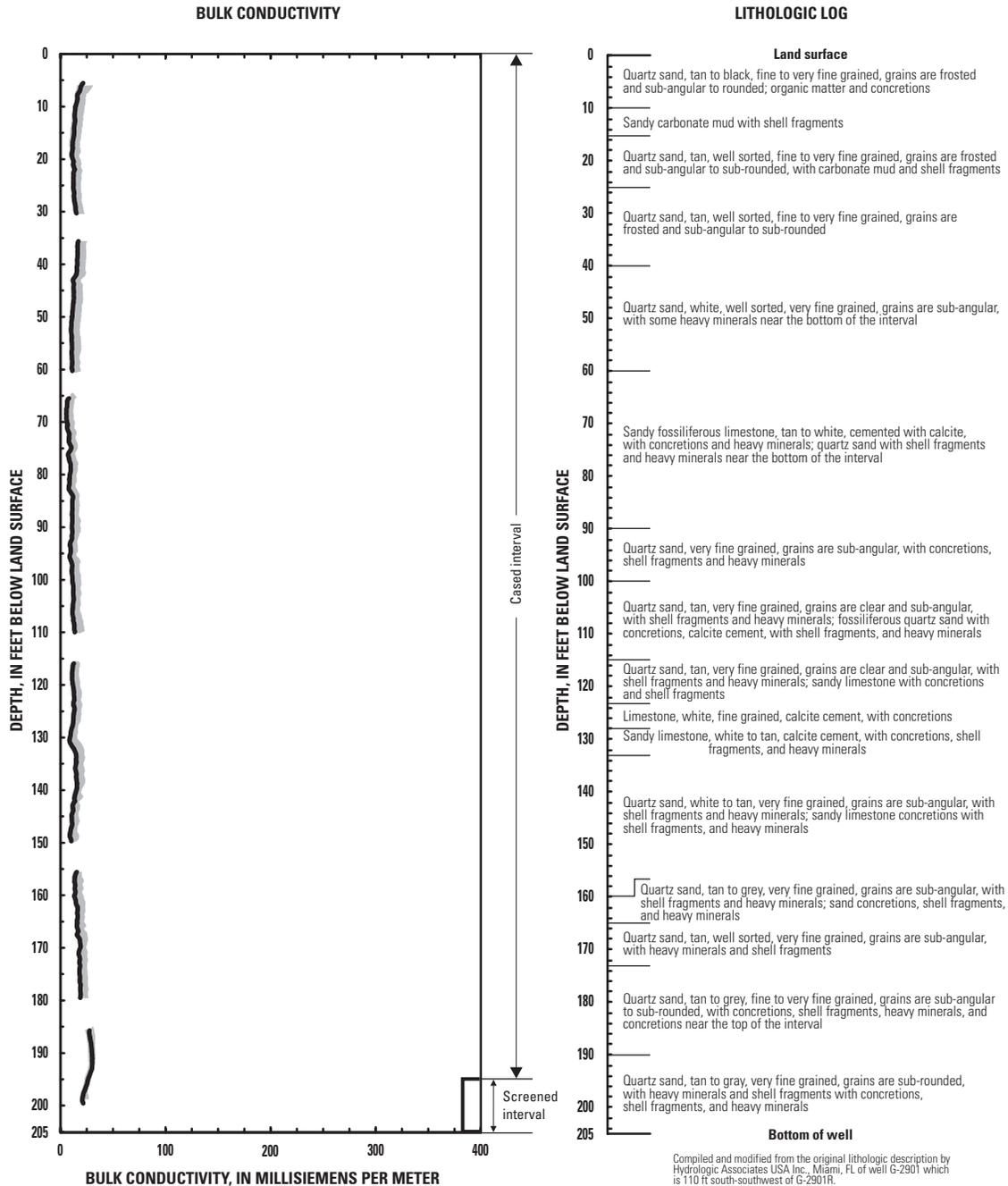
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Date	Time	Elevation, feet above NGVD (72020)
NOV 09...	1326	2.13	MAY 02...	0853	1.28
JAN 31...	1350	1.55	AUG 03...	0830	2.27



WELL NUMBER.--260737080103302. Local Number G 2901R. USGS Observation Well near Fort Lauderdale, FL-Continued

Induction log for Well 260737080103301, Local Number G-2901R



Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL of well G-2901 which is 110 ft south-southwest of G-2901R.

EXPLANATION

— Bulk conductivity, in millisiemens per meter, May 2, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from May 6, 2003 to April 28, 2004.

[ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--260752080084701. Local Number G 1220. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°07'52", long 80°08'47", in SE 1/4 NW 1/4 sec.3, T.50 S., R.42 E., Hydrologic Unit 03090202. At corner of NW 2nd Avenue and NW 7th Street in Fort Lauderdale, and 0.8 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 7.72 ft above National Geodetic Vertical Datum of 1929. From April 17, 2002 to September 30, 2002, top of base was incorrectly considered to be 7.78 ft above NGVD. From October 2000 to April 16, 2002, top of base was 7.77 ft above NGVD. From October 1997 to September 2000, top of base was incorrectly considered to be 7.78 ft above NGVD. From January 1989 to September 1997, top of base was incorrectly considered to be 7.76 ft above NGVD. From October 1980 to January 1989, measuring point was top of casing, 7.76 ft above NGVD. Prior to October 1980, measuring point, top of base, was considered to be 8.76 ft above NGVD. The figures of water level as elevation, in feet NGVD, from January 1989 to October 2000 and from April 17, 2002 to September 30, 2002, are in error. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.0 ft above NGVD.

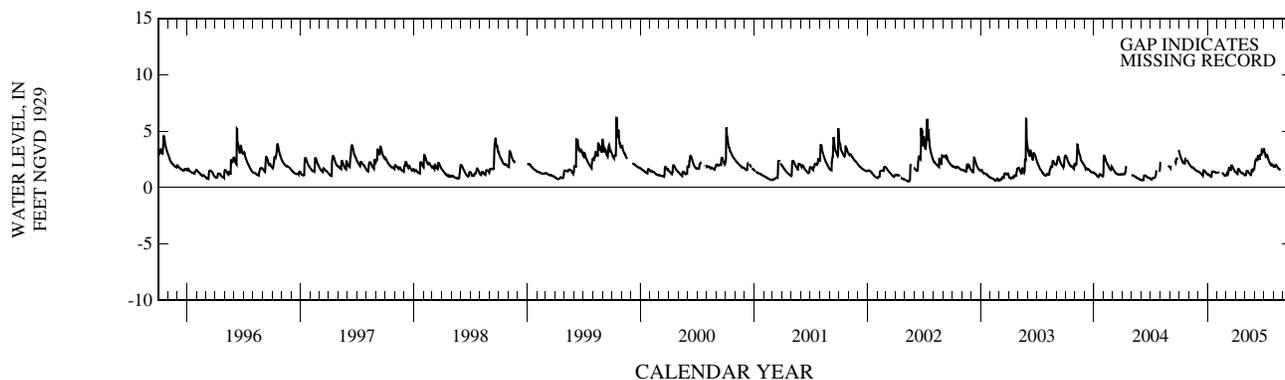
REMARKS.--Because of the 0.01 ft magnitude of error, the published figures of water levels as elevation, in feet NGVD, for January 1989 to September 2000 have been retained. The figures of water level as elevation, in feet NGVD, prior to October 1, 1980 are in error. A -1.00 ft correction has been applied to correct these water-level data. The figures of water level as elevation, in feet NGVD, from April 17, 2002 to September 30, 2002, are in error. A -0.03 ft correction has been applied to correct the data. Corrected records are in files of the U.S. Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.37 ft NGVD, Mar. 27, 1986; lowest, 0.40 ft NGVD, May 30, 1965.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.82	1.98	1.38	1.14	1.35	1.37	1.26	1.33	2.44	2.99	1.84	---
10	2.44	1.83	1.24	1.00	---	1.73	1.65	1.49	2.36	2.92	2.00	---
15	2.27	1.77	1.11	1.40	---	1.64	1.46	1.26	2.67	2.56	1.78	---
20	2.43	1.63	1.53	1.43	1.23	1.96	1.31	1.13	2.86	2.19	1.63	---
25	---	1.52	1.37	1.35	1.09	1.68	1.26	1.55	3.20	1.97	---	---
EOM	2.21	1.45	1.18	1.33	1.12	1.39	1.13	1.63	3.43	1.92	---	---
MAX	---	2.15	1.53	1.44	---	1.96	1.65	1.65	3.43	3.43	---	---



BROWARD COUNTY—Continued

WELL NUMBER.--260804080092701. Local Number G 2899. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°08'05", long 80°09'38", in SW 1/4 NW 1/4 NE 1/4 sec.4, T.50 S., R.42 E., Hydrologic Unit 03090202, at southeast corner of Joseph Carter Center, 705 ft south of Sunrise Boulevard and 0.5 mi east of U.S. Interstate 95.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 125 ft, cased to 115 ft, screened 115 to 125 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Measuring point: Top of casing, 5.92 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.9 ft above NGVD.

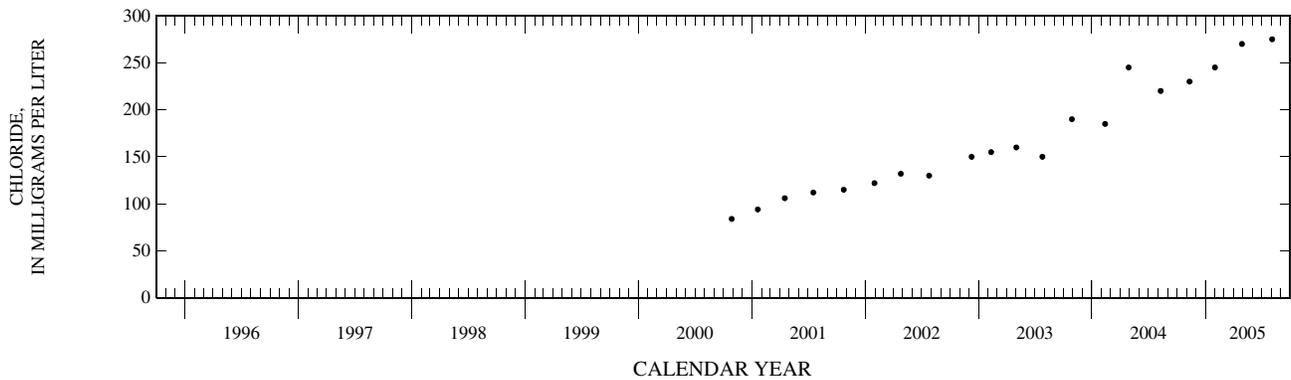
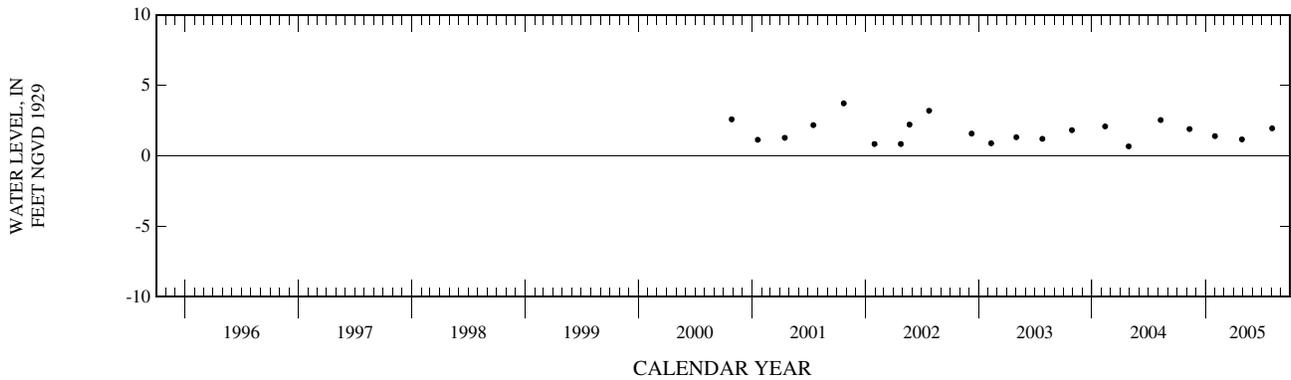
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Annual induction logging began in April 2000. Quarterly water-level measurements began in October 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.72 ft NGVD, Oct. 23, 2001; lowest, 0.67 ft NGVD, Apr. 28, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

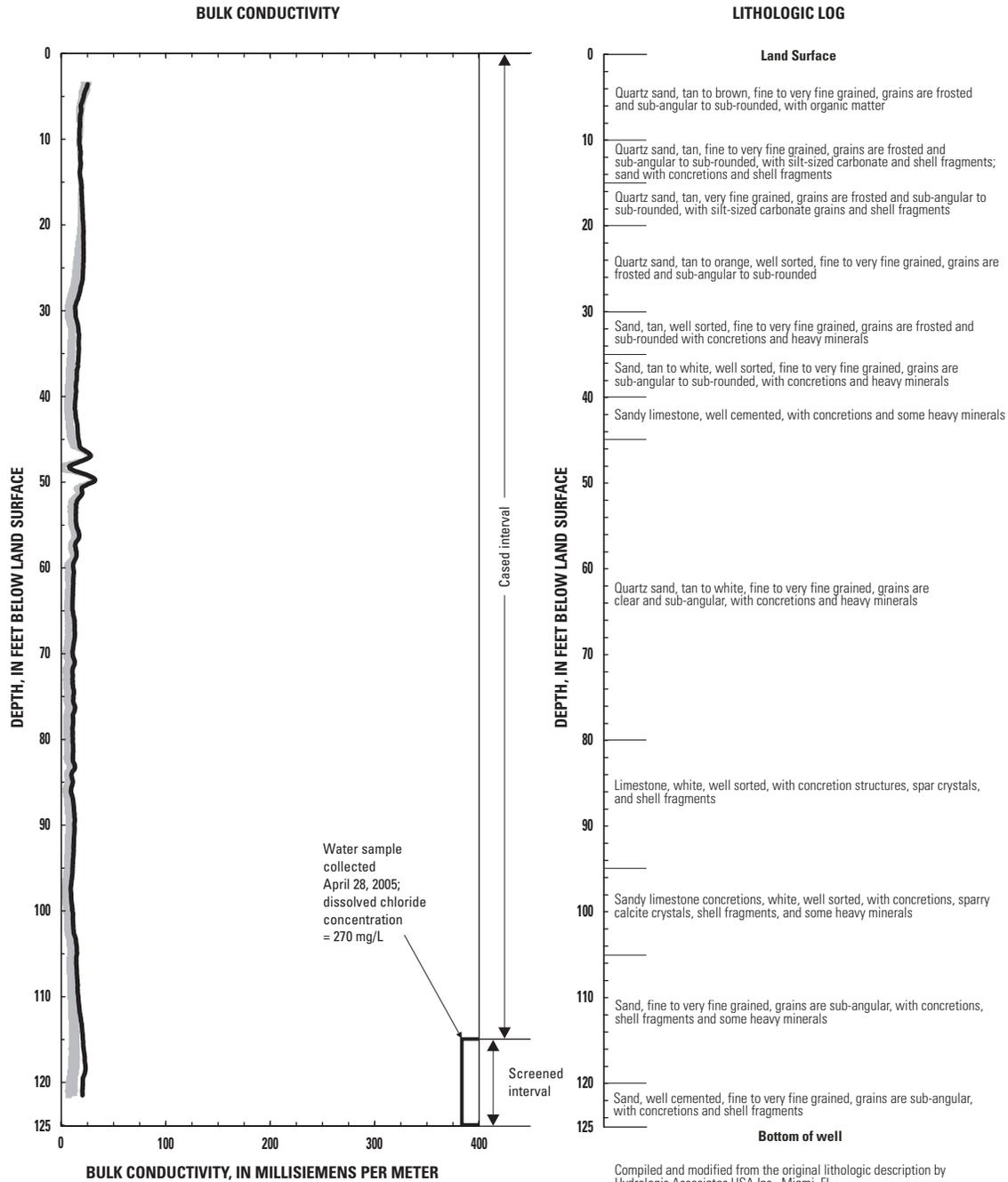
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 10...	0845	1.90	1,080	230	APR 28...	1327	1.17	1,310	270
JAN 31...	0857	1.40	1,160	245	AUG 03...	0757	1.95	1,320	275



BROWARD COUNTY—Continued

WELL NUMBER.--260804080092701. Local Number G 2899. USGS Observation Well near Fort Lauderdale, FL-Continued

Induction log for Well 260804080092701, Local Number G-2899



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 28, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 19, 2000 to April 28, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--260821080185101. Local Number G 2032. USGS Observation Well in Plantation, FL.

LOCATION.--Lat 26°08'21", long 80°18'51", in SW 1/4 NW 1/4 sec.36, T.49 S., R.40 E., Hydrologic Unit 03090202, at northeast corner of NW 12th Street and Flamingo Road, 1.6 mi north of North New River Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.79 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

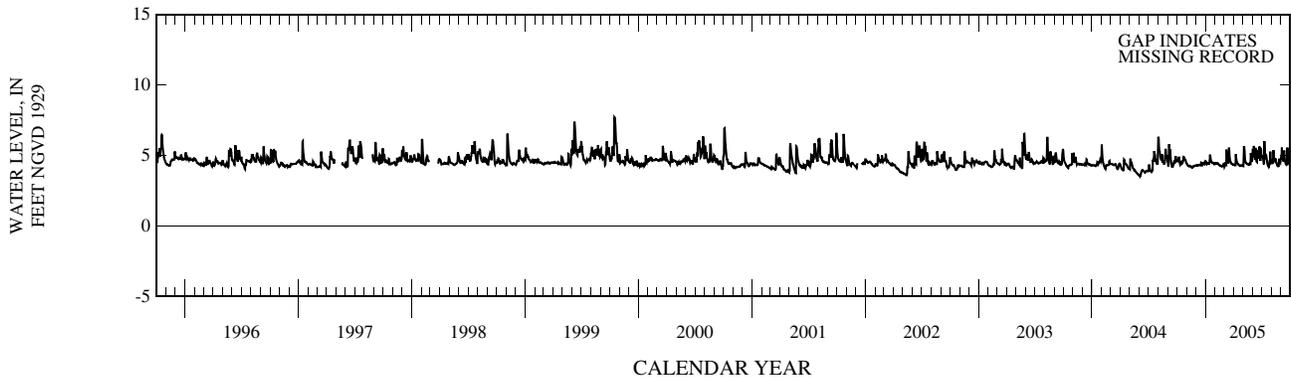
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.71 ft NGVD, Oct. 15, 1999; lowest, 2.85 ft NGVD, May 7, 1974.

ELEVATION ABOVE NGVD 1929, FEET  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.59	4.27	4.29	4.41	4.45	4.43	4.30	5.56	5.68	4.70	4.41	4.93
10	4.43	4.26	4.32	4.43	4.44	5.24	4.68	4.50	5.55	5.42	4.76	5.30
15	4.63	4.23	4.31	5.06	4.30	4.52	4.40	4.41	4.53	5.03	4.68	4.46
20	4.63	4.18	4.41	4.53	4.24	4.72	4.28	4.35	5.22	4.32	4.29	5.39
25	4.74	4.27	4.47	4.45	4.29	4.41	4.26	4.32	4.94	4.53	4.77	4.53
EOM	4.46	4.28	4.60	4.45	4.33	4.34	4.26	4.65	4.86	4.56	4.74	4.67
MAX	4.91	4.42	4.60	5.06	4.46	5.56	5.09	5.67	5.68	6.02	5.38	5.56



BROWARD COUNTY—Continued

WELL NUMBER.--260920080092201. Local Number G 2898. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°09'20", long 80°09'22", in NE 1/4 SE 1/4 sec.28, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.55 mi south of Oakland Park Boulevard (State Road 816), 0.01 mi west of Powerline Road (State Road 845) at entrance to Mills Pond Park, 27 ft east of parking lot.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 119.5 ft cased to 109.5 ft. See REMARKS.

INSTRUMENTATION.--Monthly measurement with chalk tape. See REMARKS.

DATUM.--Measuring point: Top of casing, 5.21 ft above National Geodetic Vertical Datum of 1929. Between February 21, 2001 and June 4, 2002, measuring point was top of base, 8.35 ft above NGVD. During this period, measuring point was incorrectly considered to be 8.43 ft above NGVD (also incorrectly reported as 8.44 ft above NGVD in the 2002 Water Resources Data Report). From July 24, 2002 to January 30, 2003, and prior to February 21, 2001, measuring point was incorrectly considered to be 5.20 ft NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 5.2 ft above NGVD.

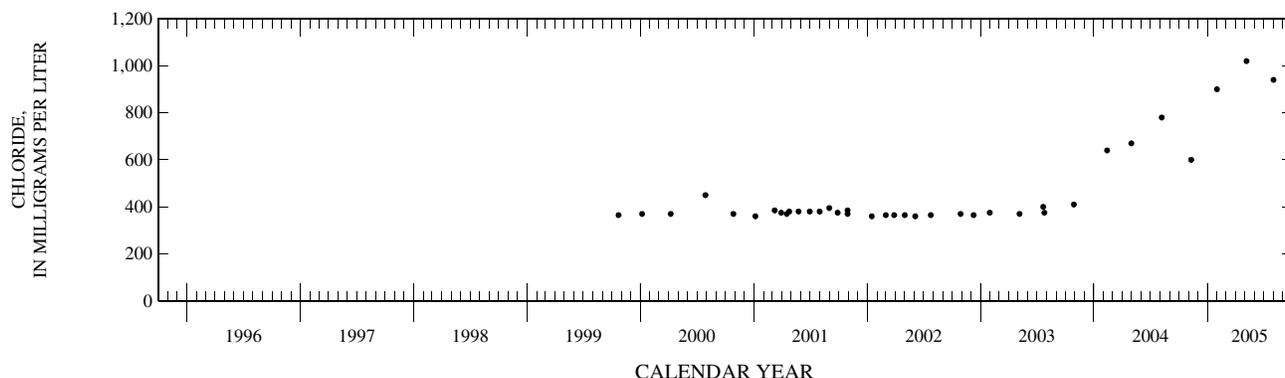
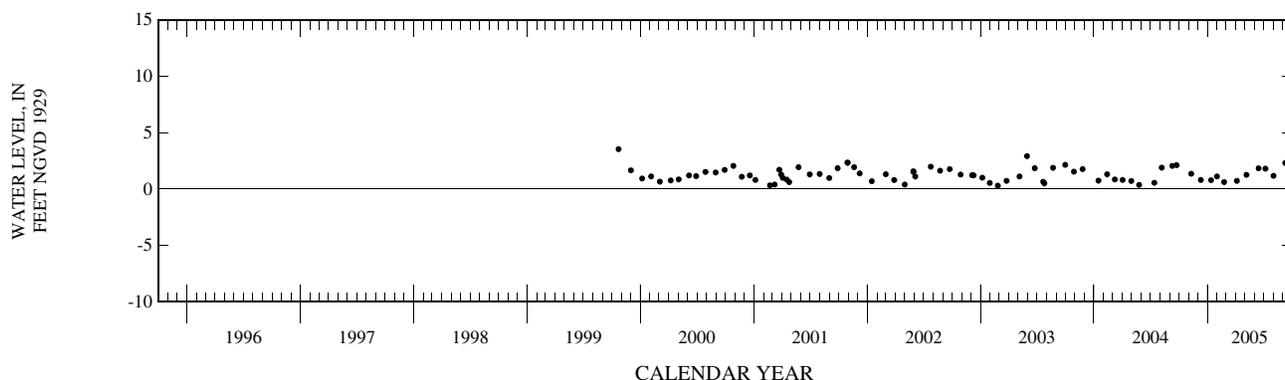
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. The station was temporarily reconstructed between February 21, 2001 and June 4, 2002, to facilitate continuous water-level and conductivity monitoring. The figures of water level as elevation, in feet NGVD, from October 1999 to January 2003 are in error. Corrected records are in the files of the U.S. Geological Survey. Well depth corrected based on reevaluation of construction records and on the depth sounding collected May 6, 2003. See DATUM and WELL CHARACTERISTICS.

PERIOD OF RECORD.--October 1999 to January 2001 (monthly), February 2001 to June 2002 (monthly and daily), July 2002 to current year. See REMARKS.

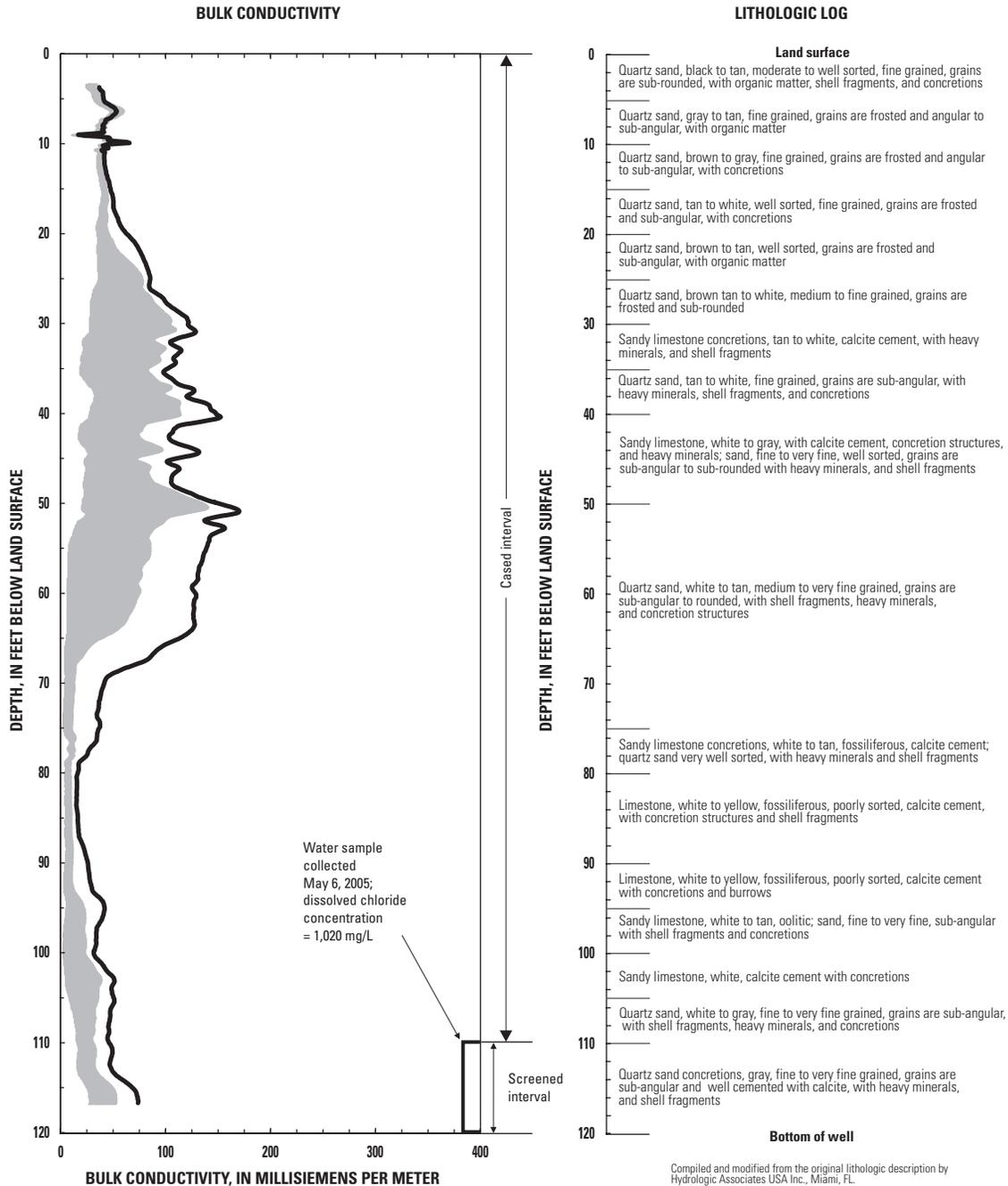
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.25 ft NGVD, Sept. 29, 2001; lowest daily maximum water level, 0.30 ft NGVD, May 8, 2002, and lowest measured, Feb. 25, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 09...	1258	1.36	2,320	600	MAY 06...	0930	1.26	3,910	1,020
DEC 10...	0925	.81	--	--	JUN 14...	1252	1.84	--	--
JAN 12...	1502	.79	--	--	JUL 06...	1335	1.81	--	--
31...	1250	1.12	3,250	900	AUG 01...	1431	1.18	3,620	940
FEB 23...	1123	.62	--	--	SEP 08...	1403	2.31	--	--
APR 05...	1350	.73	--	--	28...	1107	1.66	--	--



**Induction log for Well 260920080092201, Local Number G-2898**



Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL

**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, May 6, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 19, 2000 to April 30, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--261030080083301. Local Number G 2897. USGS Observation Well near Oakland Park, FL.

LOCATION.--Lat 26°10'30", long 80°08'33", in SW ¼ SE ¼ NE ¼ sec.22, T.49 S., R.42 E., Hydrologic Unit 03090202, 16 ft from edge of NE 3rd Avenue parking lot at Collins Community Center.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 135.5 ft, cased to 125.5 ft, screened 125.5 to 135.5 ft.

INSTRUMENTATION.--Quarterly measurements with chalked tape. See REMARKS.

DATUM.--Measuring point: Top of casing, 6.42 ft above National Geodetic Vertical Datum of 1929. Prior to February 2001, measuring point was 6.31 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.4 ft above NGVD.

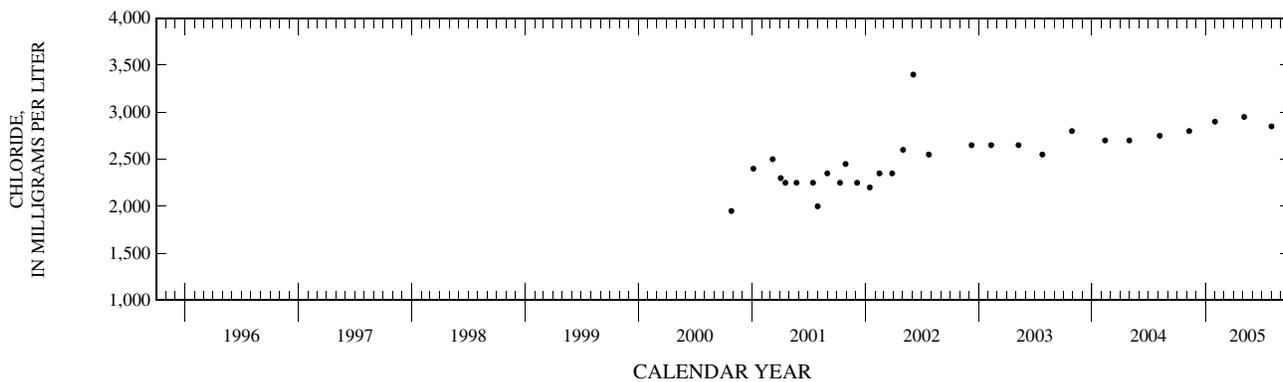
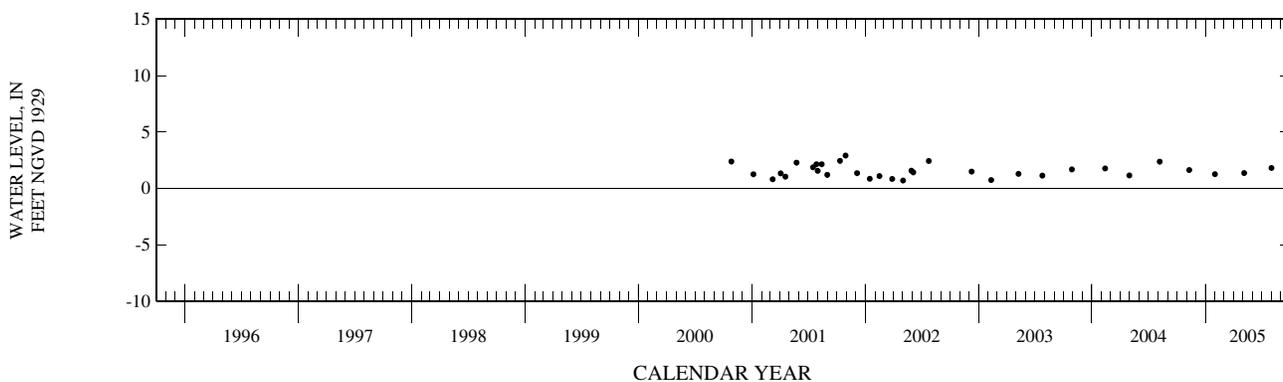
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Station was reconstructed in February 2001, for a salt water intrusion modeling project. Quarterly water-level measurements began in October, 2000. Continuous water-level and conductivity data were collected from March, 2001 through June 2002, as part of an investigative project. Data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.81 ft NGVD, Sept. 14, 2001; lowest, 0.53 ft NGVD, May 6-11, 2002.

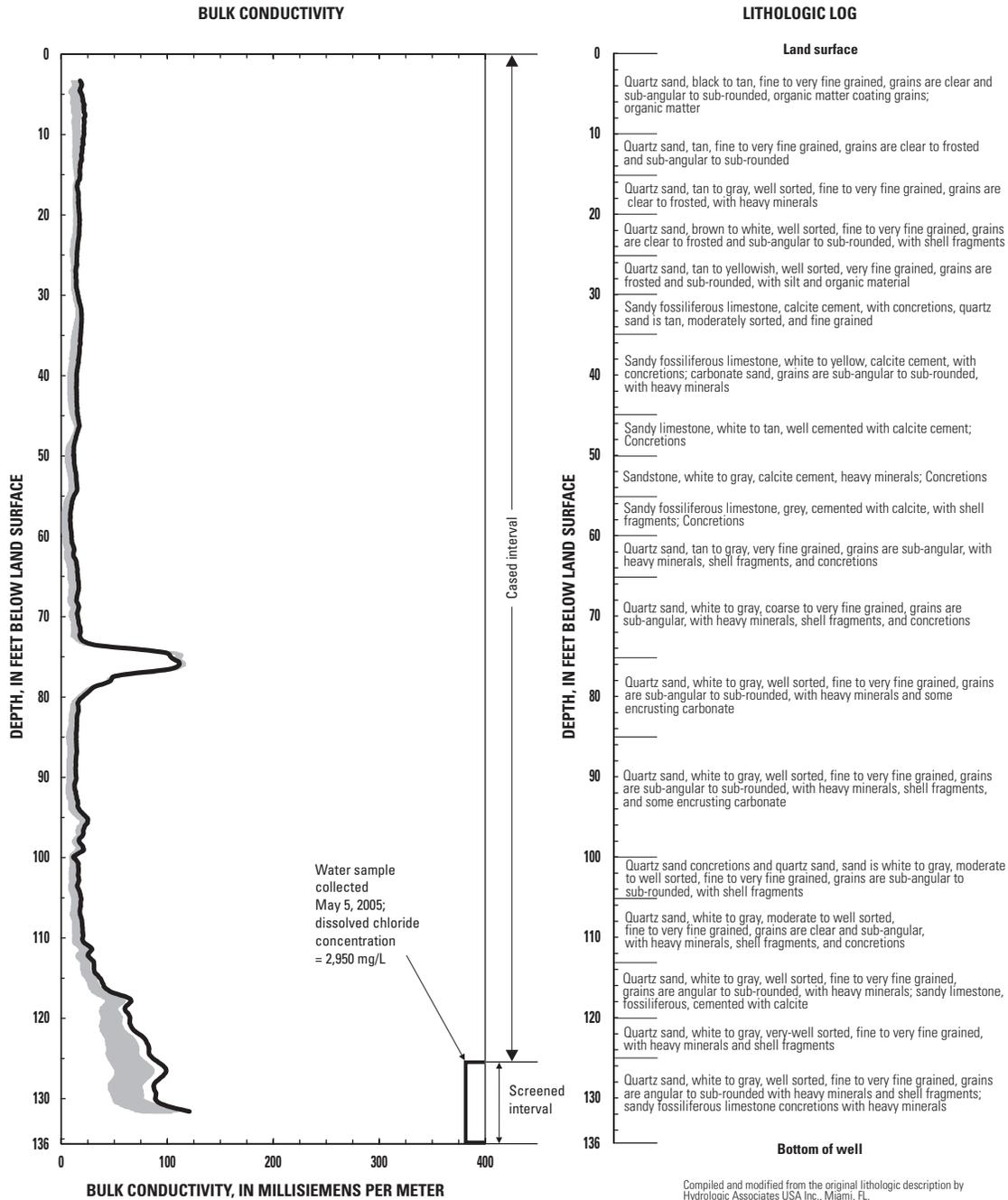
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 09...	1234	1.64	8,480	2,800	MAY 05...	1345	1.37	9,690	2,950
JAN 31...	1150	1.27	9,020	2,900	AUG 01...	1341	1.82	9,210	2,850



WELL NUMBER.--261030080083301. Local Number G 2897. USGS Observation Well near Oakland Park, FL--Continued

**Induction log for Well 261030080083301, Local Number G-2897**



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, May 5, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 19, 2000 to April 30, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--261100080140401. Local Number G 1212. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°10'59", long 80°09'04", in SW ¼ SE ¼ NW ¼ sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, at the northeast intersection of NW 46th Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 197.4 ft, cased to 197.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 7.32 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.8 ft above NGVD.

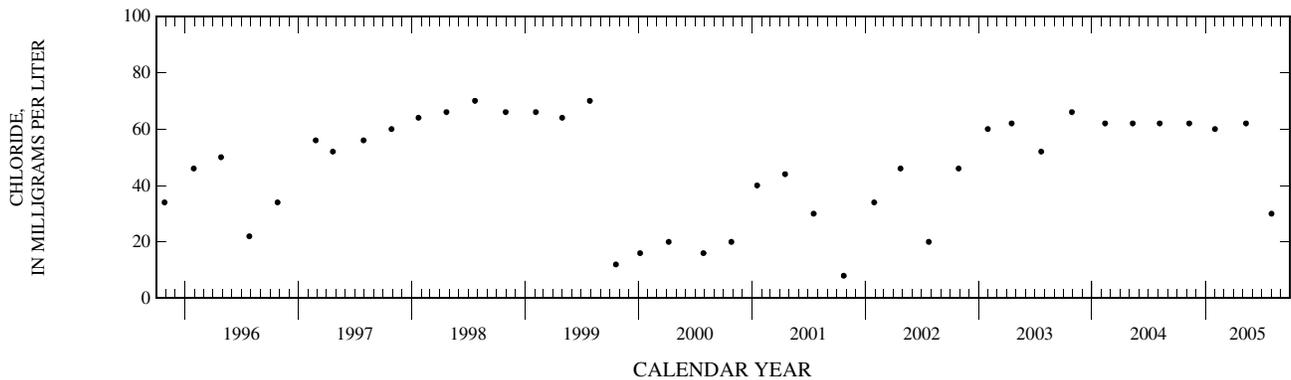
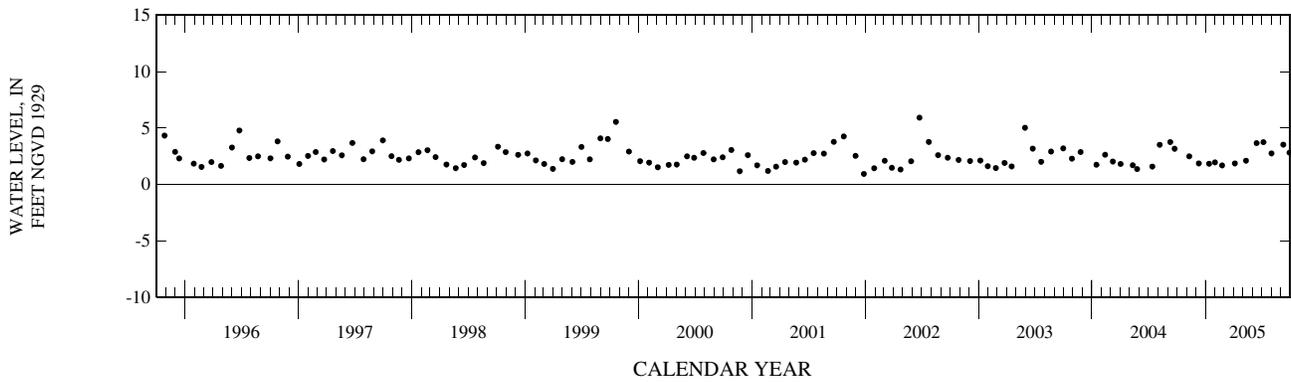
REMARKS.--Well also used for salinity monitoring. Salinity monitoring began in April 1967. Water-level monitoring began in October 1979.

PERIOD OF RECORD.--October 1979 (intermittent), November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.92 ft NGVD, June 24, 2002; lowest, 0.94 ft NGVD, Dec. 27, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 09...	1153	2.50	517	62.0	MAY 11...	1212	2.11	562	62.0
DEC 10...	0912	1.87	--	--	JUN 14...	1310	3.67	--	--
JAN 12...	1443	1.84	--	--	JUL 06...	1356	3.75	--	--
FEB 31...	1119	1.96	525	60.0	AUG 01...	1308	2.76	398	30.0
FEB 23...	1103	1.69	--	--	SEP 08...	1424	3.53	--	--
APR 05...	1410	1.87	--	--	SEP 28...	1039	2.82	--	--



BROWARD COUNTY—Continued

WELL NUMBER.--261122080083401. Local Number G 1232. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°11'21", long 80°08'49", in SE ¼ SW ¼ NE ¼ sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, 30 ft northwest from intersection at NE 1st Avenue and NE 51st Street in Brentwood Estates.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation water-table well, diameter 2 in., depth 205 ft, cased to 203 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 8.31 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

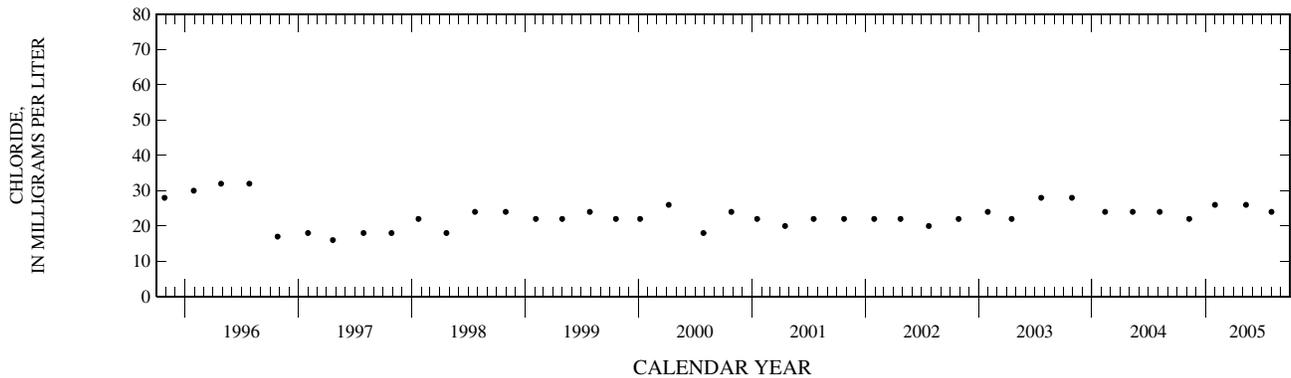
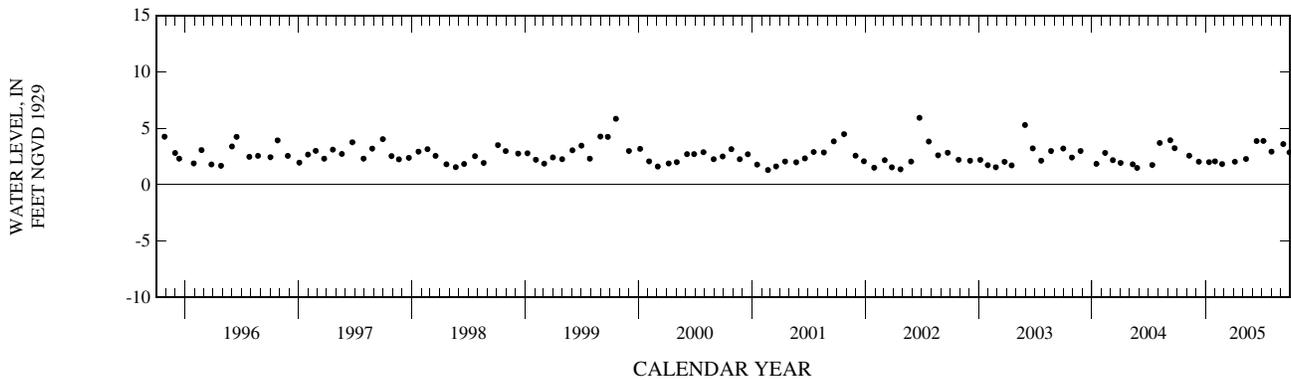
REMARKS.--Well also used for salinity monitoring. Salinity monitoring began in April 1964. Water-level monitoring began in November 1994. See PERIOD OF RECORD.

PERIOD OF RECORD.--April 1964 to September 1994 (intermittent), November 1994 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.93 ft NGVD, June 24, 2002; lowest, 1.30 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 09...	1134	2.57	383	22.0	MAY 11...	1151	2.28	446	26.0
DEC 10...	0901	2.04	--	--	JUN 14...	1322	3.87	--	--
JAN 12...	1435	2.00	--	--	JUL 06...	1405	3.88	--	--
JAN 31...	1055	2.07	409	26.0	AUG 01...	1225	2.93	407	24.0
FEB 23...	1052	1.83	--	--	SEP 08...	1436	3.60	--	--
APR 05...	1420	2.04	--	--	SEP 28...	1016	2.87	--	--



BROWARD COUNTY—Continued

WELL NUMBER.--261141080163401. Local Number G 2033. USGS Observation Well in Tamarac, FL.

LOCATION.--Lat 26°11'41", long 80°16'34", in SW 1/4 SW 1/4 SE 1/4 sec.8, T.49 S., R.41 E., Hydrologic Unit 03090202, on east side of NW 94th Avenue, 0.1 mi north of Commercial Boulevard, 5.0 mi west of U.S. Highway 441, and 11.0 mi west of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 23 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.06 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1986, top of base was considered to be 14.29 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 11.0 ft above NGVD.

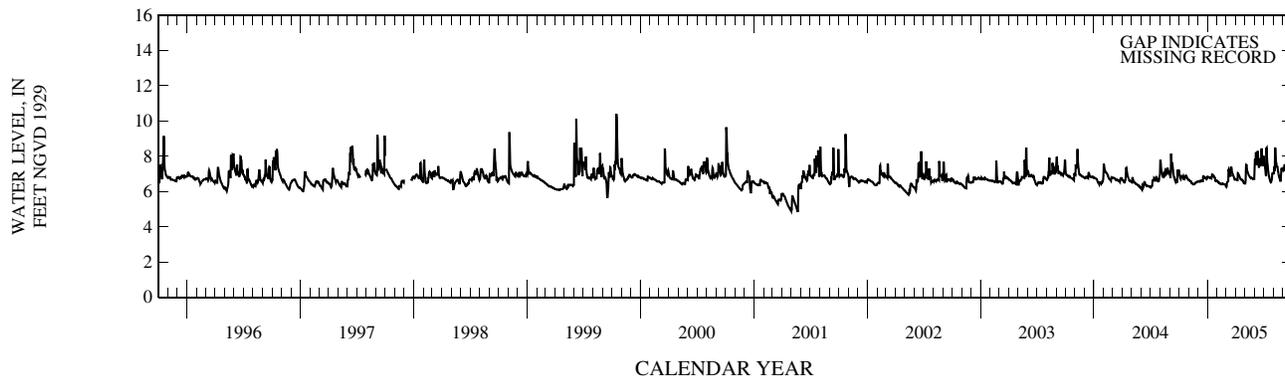
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1, 1986 are in error. Corrected records are in the files of the U.S. Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The well was originally open to the aquifer from 21 to 23 ft. The well casing has collapsed or become obstructed at a depth of 10 ft. The well is still in hydrologic communication with the aquifer.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.41 ft NGVD, Oct. 15, 1999; lowest, 4.85 ft NGVD, May 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.74	6.61	6.58	6.81	6.52	6.54	6.67	7.52	8.23	7.28	7.18	7.49
10	6.85	6.49	6.62	6.77	6.45	7.26	6.98	7.12	7.98	8.48	7.62	7.24
15	6.86	6.43	6.59	6.97	6.44	6.90	6.79	6.88	7.36	7.14	7.25	6.99
20	6.82	6.43	6.83	6.89	6.42	7.16	6.67	6.76	7.80	6.69	6.79	7.22
25	6.88	6.53	6.80	6.70	6.42	6.89	6.61	6.74	7.98	6.64	6.94	7.19
EOM	6.67	6.56	6.82	6.62	6.34	6.68	6.46	6.72	7.67	7.05	7.32	7.09
MAX	7.08	6.68	6.88	6.97	6.62	7.41	7.05	7.52	8.40	8.48	8.50	7.50



BROWARD COUNTY—Continued

WELL NUMBER.--261147080114501. Local Number G 2395. USGS Observation Well near Lauderdale Lakes, FL.

LOCATION.--Lat 26°11'47", long 80°11'45", in SE 1/4 SE 1/4 SW 1/4 sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, on the west side of Hawkins Road, 0.25 mi north of Prospect Road and 0.75 mi east of U.S. Highway 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 73.0 ft, cased to 71 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Measuring point: Top of shelter base, 12.47 ft above National Geodetic Vertical Datum of 1929. Prior to November 23, 1990, top of base was 12.05 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 9.5 ft above NGVD.

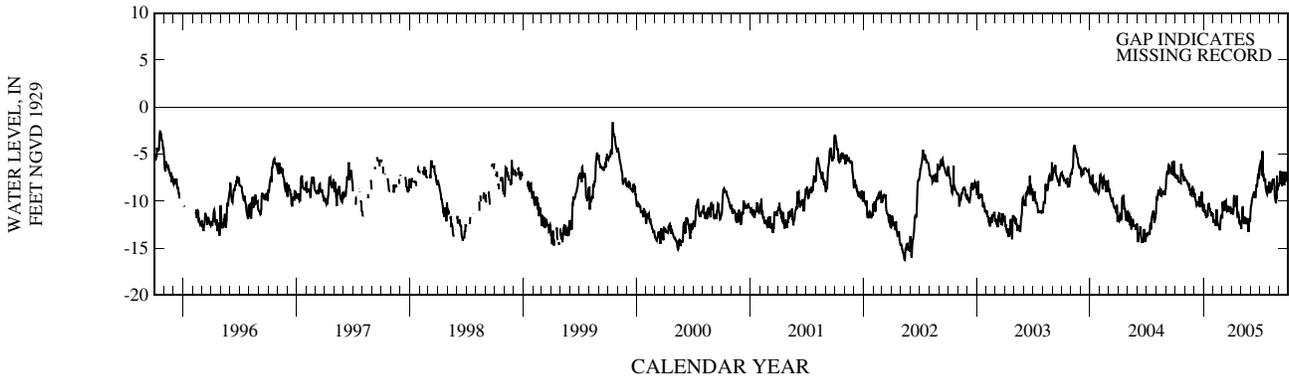
REMARKS.--The well was originally open to the aquifer from 71 to 73 ft. The casing has become obstructed or collapsed at a depth of 66 ft. Well was damaged and reconstructed November 23, 1990. See DATUM.

PERIOD OF RECORD.--February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 0.82 ft below NGVD, Sept. 20, 1985; lowest, 16.25 ft below NGVD, May 14, 2002.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-7.37	-7.76	-9.75	-11.23	-12.10	-10.54	-11.42	-11.05	-9.95	-5.66	-8.67	-6.81
10	-7.46	-7.99	-10.40	-11.76	-11.55	-10.01	-9.92	-12.13	-9.32	-4.76	-7.85	-8.38
15	-7.88	-8.32	-10.44	-10.47	-12.34	-10.86	-10.26	-11.98	-9.00	-7.89	-7.59	-7.76
20	-6.06	-9.39	-9.77	-10.78	-12.73	-10.72	-11.64	-12.05	-8.35	-8.66	-9.90	-7.02
25	-6.77	-8.56	-9.22	-11.51	-11.71	-10.92	-11.67	-13.27	-7.19	-9.11	-7.33	-7.82
EOM	-7.35	-8.76	-11.09	-11.67	-11.48	-11.26	-12.39	-11.96	-6.29	-8.03	-8.23	-7.83
MAX	-6.06	-7.67	-9.01	-10.27	-10.87	-9.93	-9.36	-10.62	-6.29	-4.76	-7.33	-6.81



BROWARD COUNTY—Continued

WELL NUMBER.--261304080072501. Local Number G 2896. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°13'04", long 80°07'26", in NE ¼ SE ¼ sec. 2, T.49 S., R.42 E., Hydrologic Unit 03090202, at southwest corner of intersection of Cypress Road South and SW 9th Street, 56.5 ft southwest of the fire hydrant.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 100.5 ft, cased to 90.5 ft, screened 90.5 to 100.5 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Measuring point: Top of casing, 6.79 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.8 ft above NGVD.

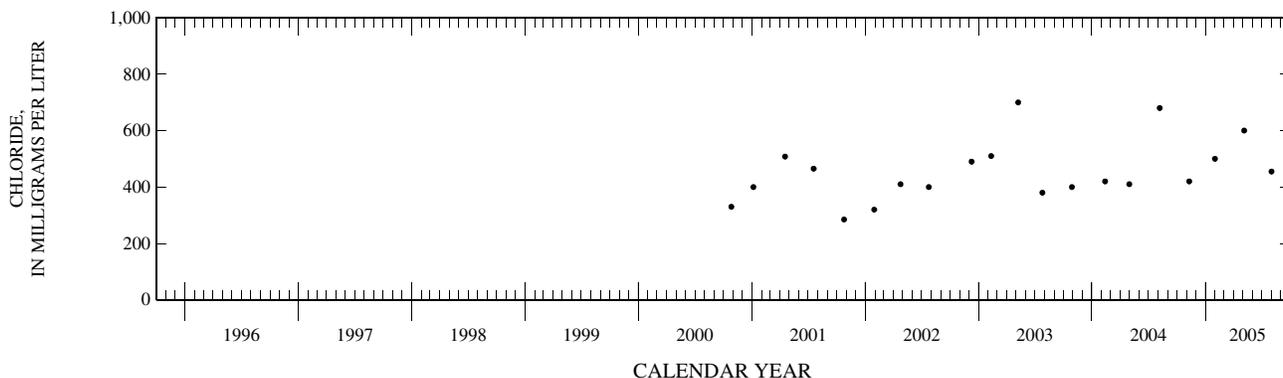
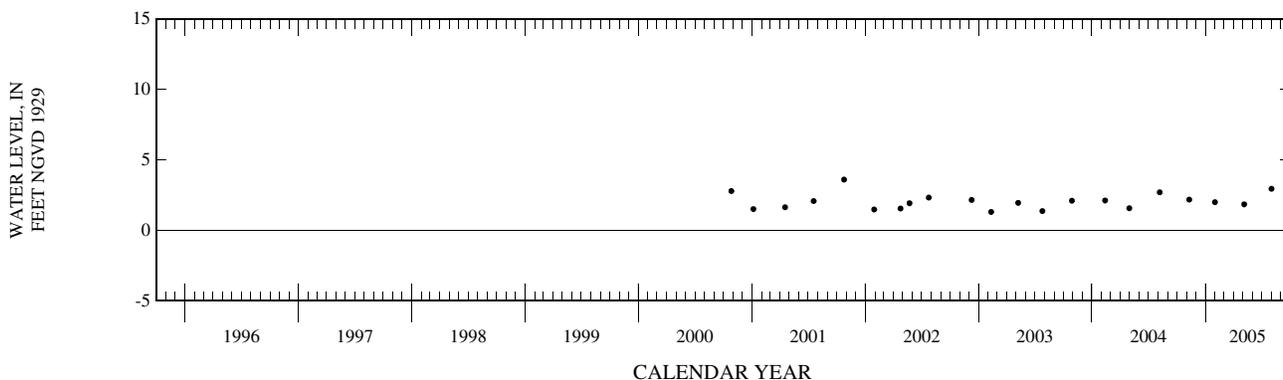
REMARKS.--Well is also monitored for salinity, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Induction logging began in April 2000. Quarterly water-level measurements and salinity monitoring began in October 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

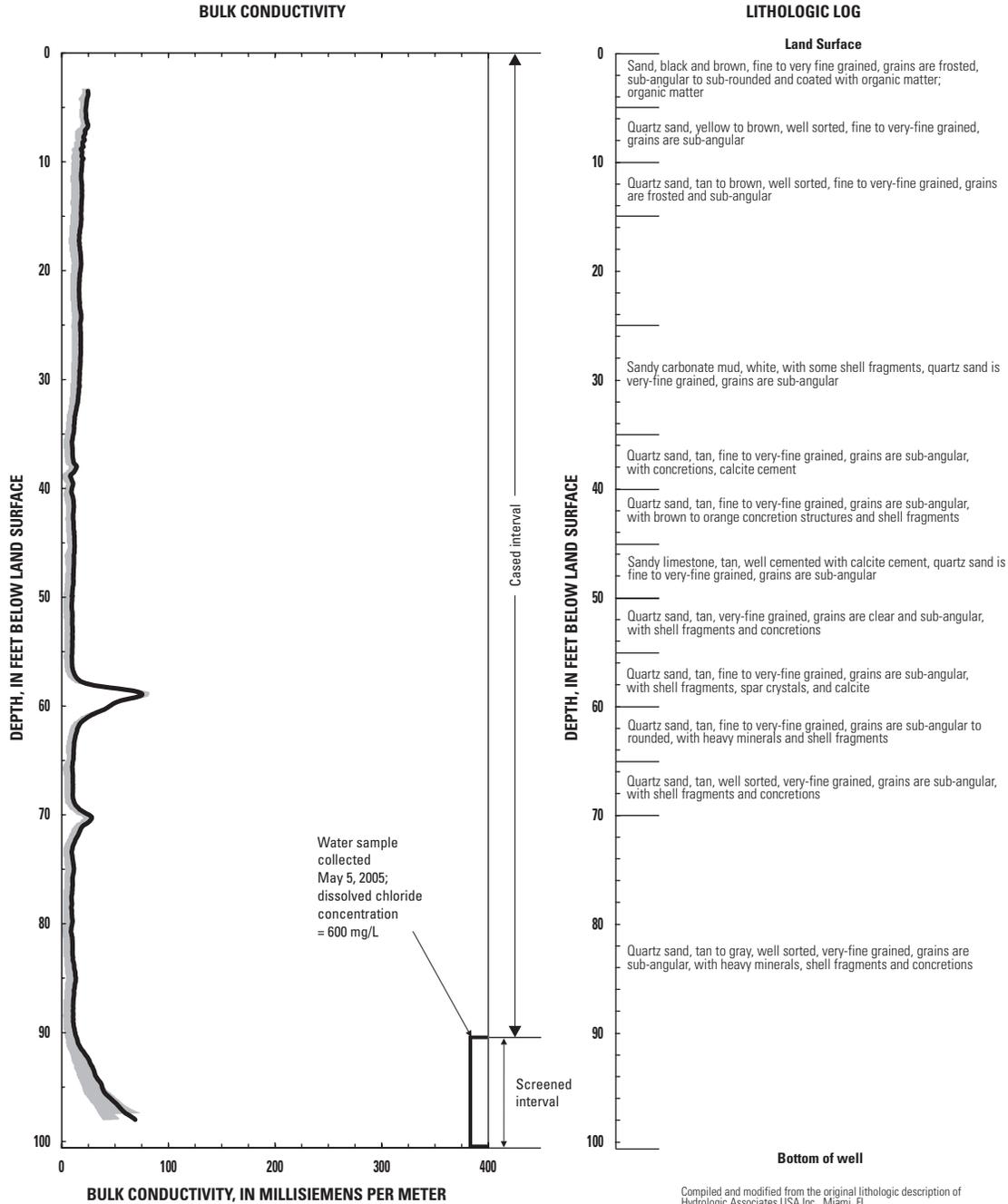
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.60 ft NGVD, Oct. 24, 2001; lowest, 1.31 ft NGVD, Feb. 10, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 09...	1107	2.18	1,720	420	MAY 05...	1159	1.85	2,400	600
JAN 31...	1020	2.00	1,960	500	AUG 01...	0905	2.95	1,920	455



Induction log for Well 261304080072501, Local Number G-2896



- EXPLANATION**
- Bulk conductivity, in millisiemens per meter, May 5, 2005.
  - Shaded area represents range of measurement in bulk conductivity logs collected from April 19, 2000 to April 30, 2004.
  - [ Bracket represents the interval for which the well is open to the aquifer.

BROWARD COUNTY—Continued

WELL NUMBER.--261403080070801. Local Number G 2149. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'02", long 80°07'09", in NE ¼ SE ¼ SE ¼ sec. 35, T.48 S., R.42 E., Hydrologic Unit 03090202, at the NW corner of NE 3rd Street and NE 5th Avenue, 8.8 ft from edge of street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 137 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 17.39 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 17.4 ft above NGVD.

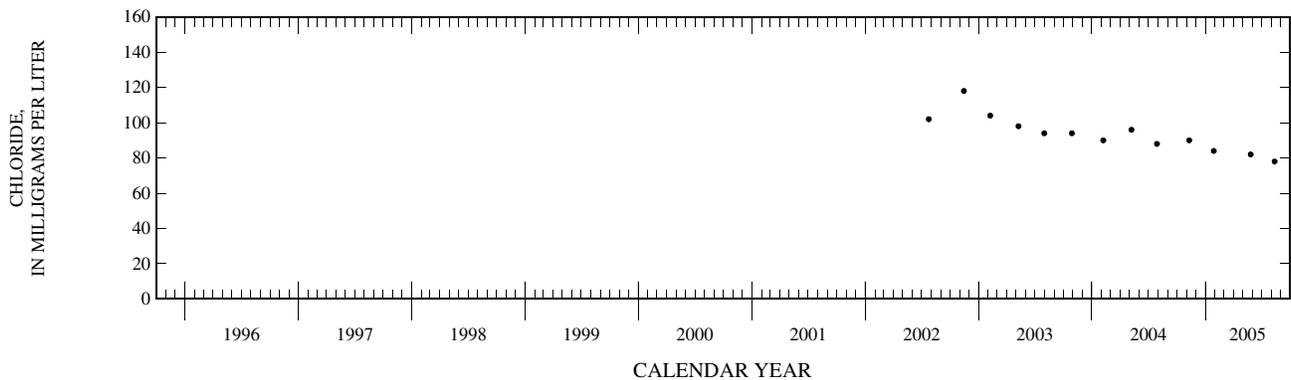
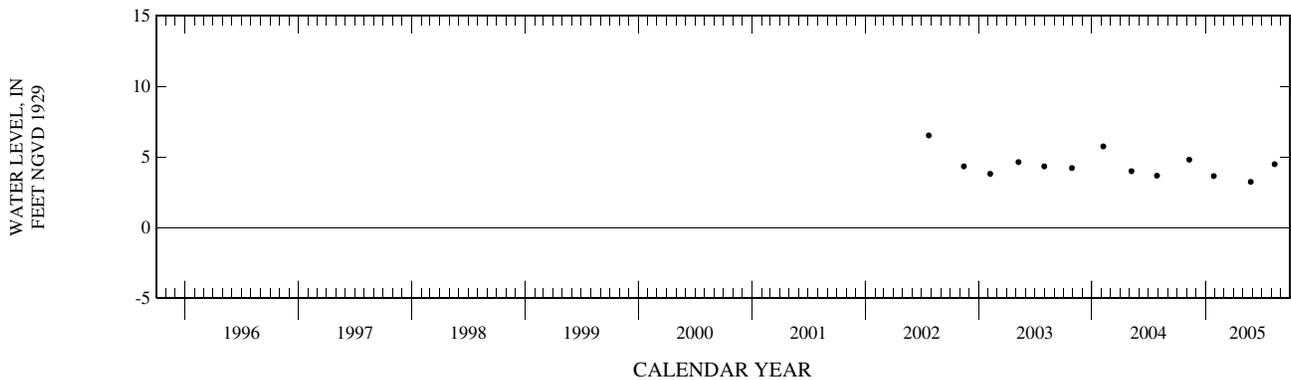
REMARKS.--Well is also used for salinity monitoring. Water-level monitoring began in April 1986, prior to that only salinity was monitored.

PERIOD OF RECORD.--October 1974 to April 1975 (quarterly), October 1975 to September 1977 (monthly), October 1977 to August 1993 (bimonthly), October 1993 to September 1994 (monthly), November 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.08 ft NGVD, Sept. 30, 1994; lowest, 0.51 ft NGVD, June 13, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
NOV 09...	1018	4.81	601	90.0	MAY 26...	1012	3.24	617	82.0
JAN 27...	1356	3.65	595	84.0	AUG 11...	1003	4.49	588	78.0



BROWARD COUNTY—Continued

WELL NUMBER.--261434080071901. Local Number G 853. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'34", long 80°07'19", in SW 1/4 NE 1/4 NE 1/4 sec.35, T.48 S., R.42 E., Hydrologic Unit 03090202, on north side of NE 12th Street, 200 ft west of NE 3rd Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27 ft, cased to 27 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 22.25 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1999, top of base was periodically considered to be 22.14 ft above NGVD. Prior to October 1996, measuring point was top of casing, 22.14 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 19.7 ft above NGVD.

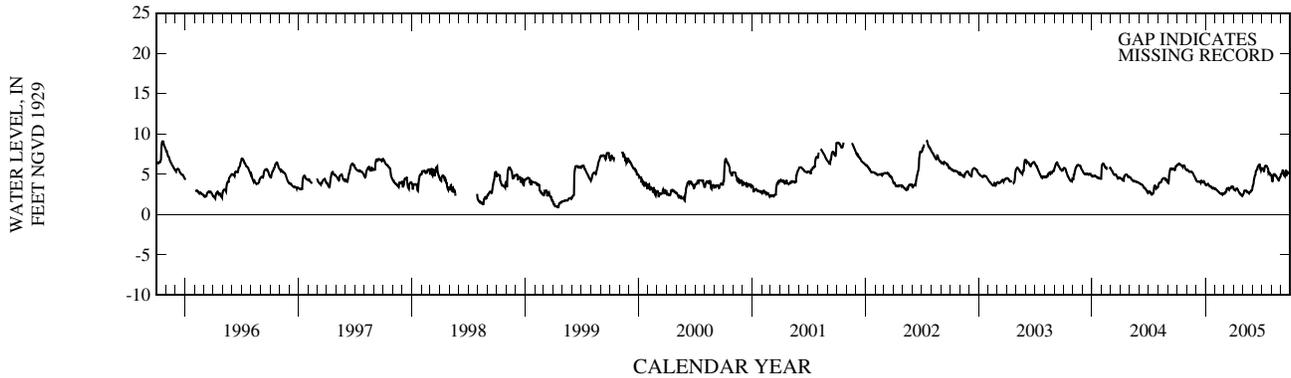
REMARKS.--The figures of water levels as elevation in feet NGVD, prior to October 1, 1998 are in error. Corrected records for the 1997-1999 water years are available in the files of the U.S. Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.49 ft NGVD, Oct. 31, 1964; lowest, 6.62 ft below NGVD, May 2, 1981.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.24	5.52	4.10	3.69	3.05	2.78	3.08	2.91	4.20	5.60	4.15	5.35
10	6.27	5.30	4.07	3.74	2.86	3.21	3.20	2.99	4.90	5.87	5.01	4.93
15	6.07	5.33	4.07	3.52	2.68	3.16	3.02	2.83	5.59	6.01	4.83	5.39
20	6.04	5.20	4.10	3.45	2.62	3.24	2.70	2.65	6.08	5.72	4.50	5.19
25	6.04	4.79	4.14	3.27	2.57	3.42	2.48	2.80	5.80	5.19	4.25	5.22
EOM	5.53	4.40	3.75	3.24	2.62	3.43	2.38	3.10	5.76	4.90	4.95	5.05
MAX	6.32	5.58	4.32	3.83	3.17	3.50	3.20	3.10	6.16	6.06	5.01	5.49



BROWARD COUNTY—Continued

WELL NUMBER.--261441080111301. Local Number G 1316. USGS Observation Well near Margate, FL.

LOCATION.--Lat 26°14'41", long 80°11'13", in SW 1/4 SE 1/4 SE 1/4 sec.30, T.48 S., R.42 E., Hydrologic Unit 03090202, at the northwest corner of Lyons Road and Coconut Creek Parkway, 1.0 mi east of Margate.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 17.07 ft above National Geodetic Vertical Datum of 1929. Prior to November 1997, top of base was 17.08 ft above NGVD. Prior to September 19, 1991, measuring point was top of casing 17.10 ft above NGVD. Prior to September 25, 1985, top of casing was 17.62 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 15.2 ft above NGVD.

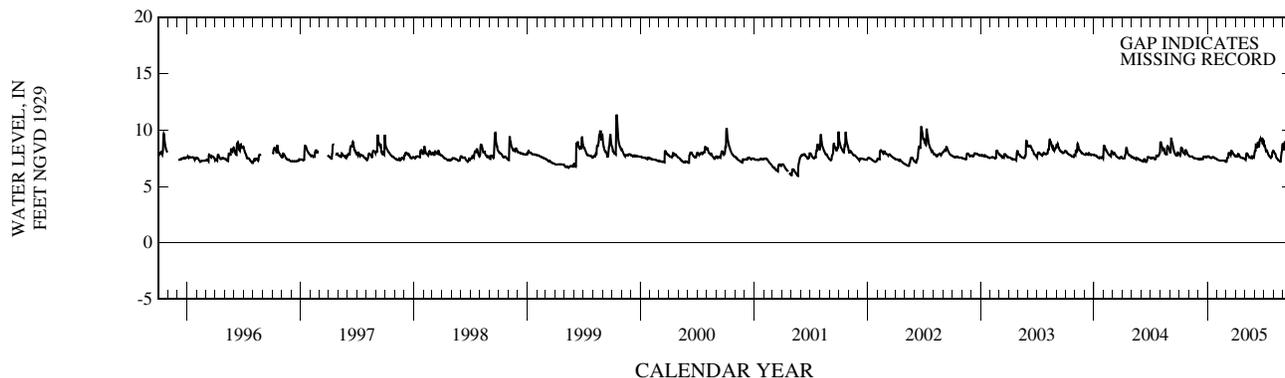
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Station was reconstructed on September 30, 1985, September 19, 1991, November 5, 1997. See DATUM.

PERIOD OF RECORD.--April 1969 to October 1979 (daily), October 1979 to October 1983 (intermittent), February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.35 ft NGVD, Oct. 15, 1999; lowest, 5.93 ft NGVD, May 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.73	7.64	7.43	7.61	7.33	7.52	7.63	7.88	8.72	8.47	7.93	8.75
10	8.36	7.65	7.42	7.54	7.26	7.96	7.87	7.85	8.39	8.20	7.58	8.53
15	7.99	7.56	7.40	7.58	7.30	7.84	7.62	7.60	8.47	7.85	7.37	8.10
20	7.98	7.49	7.62	7.59	7.28	8.12	7.53	7.51	9.05	7.64	7.26	7.93
25	8.13	7.46	7.65	7.48	7.26	7.85	7.49	7.63	9.17	7.60	7.54	7.84
EOM	7.75	7.44	7.64	7.40	7.19	7.68	7.44	7.75	9.03	8.15	8.75	7.76
MAX	8.43	7.72	7.65	7.67	7.37	8.16	7.87	7.93	9.28	8.83	8.75	8.91



BROWARD COUNTY—Continued

WELL NUMBER.--261446080062801. Local Number G 2445. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'46", long 80°06'28", in NE ¼ NW ¼ NE ¼ sec. 36, T.48 S., R.42 E., Hydrologic Unit 03090202, in the southeast corner of the Pompano Beach Airport, 0.3 mi north of NE 10th Street, 0.4 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 138 ft, cased to 123 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 15.54 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 13.4 ft above NGVD.

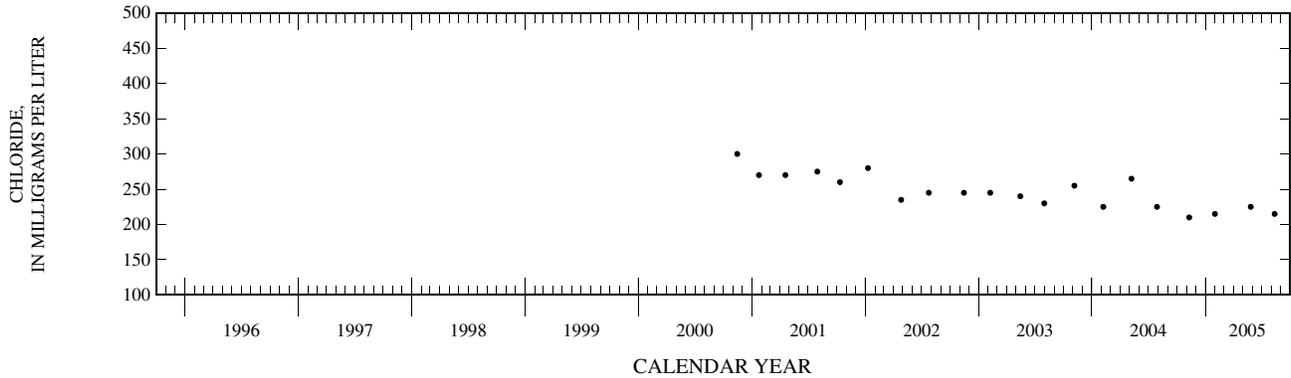
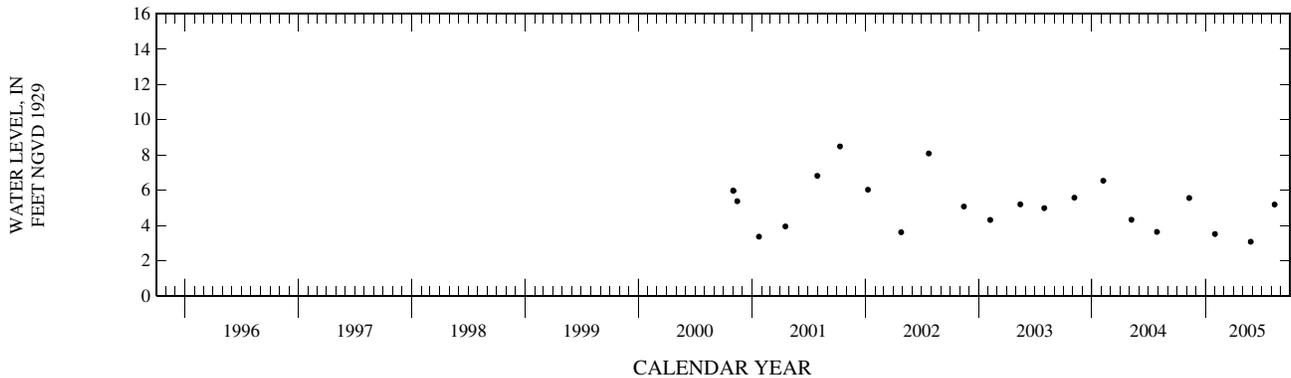
REMARKS.--Well is also used for salinity monitoring. Prior to November 2000 only chloride data published. Well depth and cased depth corrected based on borehole video log of November 28, 1995. Land-surface datum corrected based on field measurement in February 2003.

PERIOD OF RECORD.--November 1986 to July 1994 (intermittent), November 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.49 ft NGVD, Oct. 11, 2001; lowest, 3.08 ft NGVD, May 26, 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unfiltered, uS/cm (00095)	Chloride, water, filtered, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unfiltered, uS/cm (00095)	Chloride, water, filtered, mg/L (00940)
NOV 09...	0934	5.56	1,260	210	MAY 26...	0950	3.08	1,370	225
JAN 31...	0939	3.52	1,230	215	AUG 11...	0938	5.19	1,300	215



BROWARD COUNTY—Continued

WELL NUMBER.--261501080060701. Local Number G 2147. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°15'01", long 80°06'07", in NW ¼ SW ¼ SW ¼ sec.30, T.48 S., R.43 E., Hydrologic Unit 03090202, 200 ft west of U.S. Highway 1, and 300 ft north of NE 14th Street, in golf course.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 46 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 11.62 ft above National Geodetic Vertical Datum of 1929. Prior to September 1990, measuring point was top of casing 11.57 ft above NGVD.

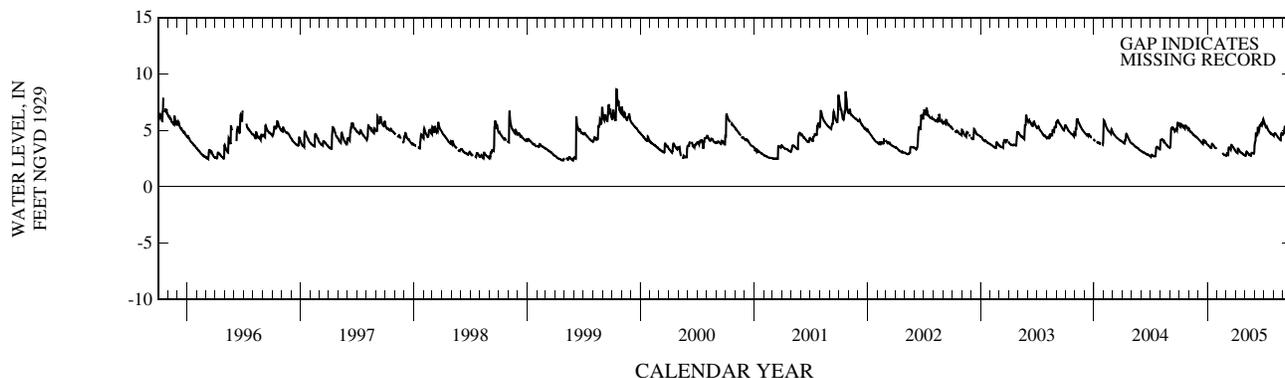
LAND-SURFACE DATUM.--Land surface is approximately 9.1 ft above NGVD.

PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.63 ft NGVD, Oct. 15, 1999; lowest, 1.02 ft below NGVD, May 5, 1981.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.28	4.92	4.14	3.61	---	2.97	3.03	3.08	4.72	5.46	4.68	5.06
10	5.46	4.82	3.99	3.47	---	3.48	3.36	3.02	4.60	5.26	4.59	5.21
15	5.38	4.64	3.82	3.81	---	3.32	3.12	2.85	4.97	5.04	4.44	5.08
20	5.42	4.51	4.10	3.66	2.91	3.68	3.00	2.74	5.50	4.83	4.24	5.00
25	5.35	4.44	4.02	3.45	2.81	3.45	2.88	3.00	5.56	4.72	4.54	4.85
EOM	5.14	4.30	3.74	---	2.80	3.19	2.78	3.01	5.90	4.60	4.61	4.64
MAX	5.57	5.18	4.26	---	---	3.71	3.38	3.12	6.00	5.83	4.78	5.32



BROWARD COUNTY—Continued

WELL NUMBER.--261534080165801. Local Number G 2031. USGS Observation Well in Coral Springs, FL.

LOCATION.--Lat 26°15'34", long 80°16'58", in SE ¼ SE ¼ SE ¼ sec.19, T.48 S., R.41 E., Hydrologic Unit 03090202, on west side of Coral Springs Drive, 150 ft north of Royal Palm Boulevard and 4.0 mi west of U.S. Highway 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.67 ft above National Geodetic Vertical Datum of 1929. Prior to October 1995, measuring point was top of casing, 13.57 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 12.6 ft above NGVD.

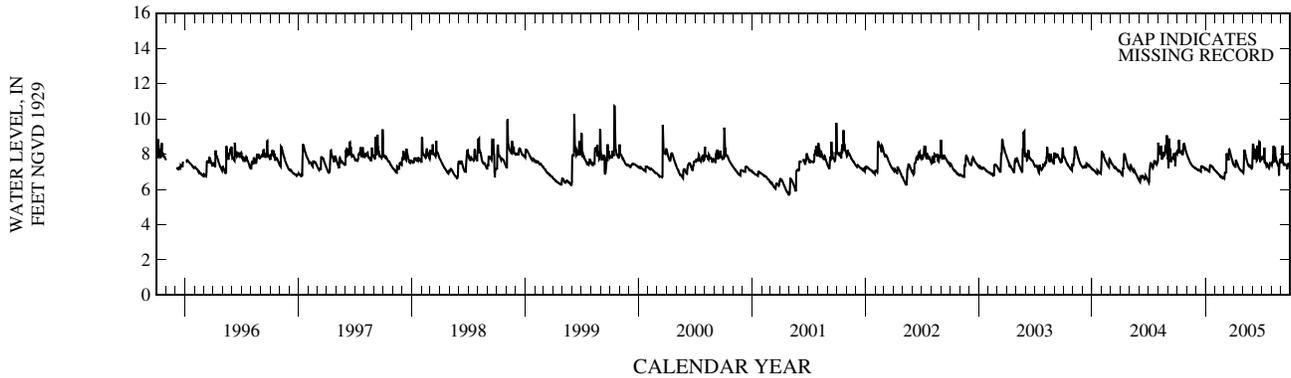
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The well was originally open to the aquifer from 21 to 22 ft. The well has become obstructed at a depth of 12.5 ft, but is in hydrologic communication with the aquifer.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.96 ft NGVD, Apr. 25, 1979; lowest, 4.75 ft NGVD, estimated, Sept. 5, 1979.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.10	7.82	7.13	7.12	6.99	6.95	7.30	8.21	8.22	7.87	7.55	8.28
10	8.12	7.63	7.10	7.05	6.89	8.00	7.60	7.92	7.81	7.51	7.59	7.34
15	8.13	7.45	7.03	7.37	6.79	7.70	7.36	7.55	7.65	7.49	7.79	7.40
20	8.22	7.31	7.32	7.32	6.71	8.16	7.16	7.33	8.08	7.35	7.47	7.15
25	8.51	7.24	7.26	7.22	6.67	7.79	7.05	7.27	7.54	7.26	6.78	7.43
EOM	8.06	7.19	7.19	7.09	6.68	7.44	6.99	7.24	7.76	7.47	7.71	7.43
MAX	8.81	8.02	7.32	7.37	7.07	8.27	7.63	8.21	8.71	8.36	8.43	8.49



## BROWARD COUNTY—Continued

WELL NUMBER.--261641080064801. Local Number G 2866. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°16'41", long 80°06'48", in NE ¼ SE ¼ SW ¼ sec.13, T.48 N., R.42 E., Hydrologic Unit 03090202, on the southwest corner of North Dixie Highway and NE 38th Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 15 ft, screened 15 to 20 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 20.21 ft above National Geodetic Vertical Datum of 1929. Prior to May 31, 2000, measuring point was 20.11 ft above NGVD.

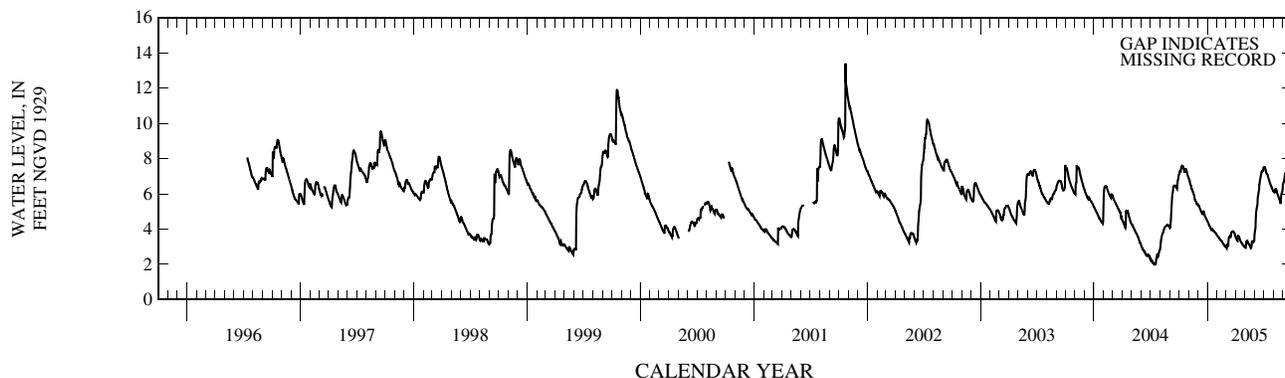
LAND-SURFACE DATUM.--Land surface is approximately 17.2 ft above NGVD.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.40 ft NGVD, Oct. 22, 2001; lowest, 1.99 ft NGVD, July 14, 16, 2004.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.30	6.60	5.27	4.23	3.53	3.11	3.38	3.26	4.67	7.47	6.09	6.83
10	7.58	6.31	5.05	4.08	3.42	3.49	3.60	3.29	5.37	7.15	6.25	7.19
15	7.46	6.11	4.85	4.01	3.32	3.61	3.41	3.12	6.18	6.95	5.96	6.87
20	7.39	5.69	4.99	3.89	3.18	3.84	3.23	2.91	6.90	6.65	5.68	6.64
25	7.33	5.55	4.67	3.81	3.06	3.86	3.10	3.27	7.27	6.42	5.76	6.47
EOM	6.93	5.43	4.45	3.67	3.01	3.62	2.99	3.31	7.49	6.17	6.51	6.24
MAX	7.59	6.89	5.41	4.42	3.64	3.88	3.62	3.35	7.49	7.52	6.51	7.19



BROWARD COUNTY—Continued

WELL NUMBER.--261643080055901. Local Number G 2752. USGS Observation Well near Hillsboro Beach, FL.

LOCATION.--Lat 26°16'43", long 80°05'59", in NE 1/4 SW 1/4 SW 1/4 sec. 18, T.48 S., R.43 E., Hydrologic Unit 03090202, on southeastern corner of NE 39th Street and NE 18th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 253 ft, cased to 248 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 11.35 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 12.0 ft above NGVD.

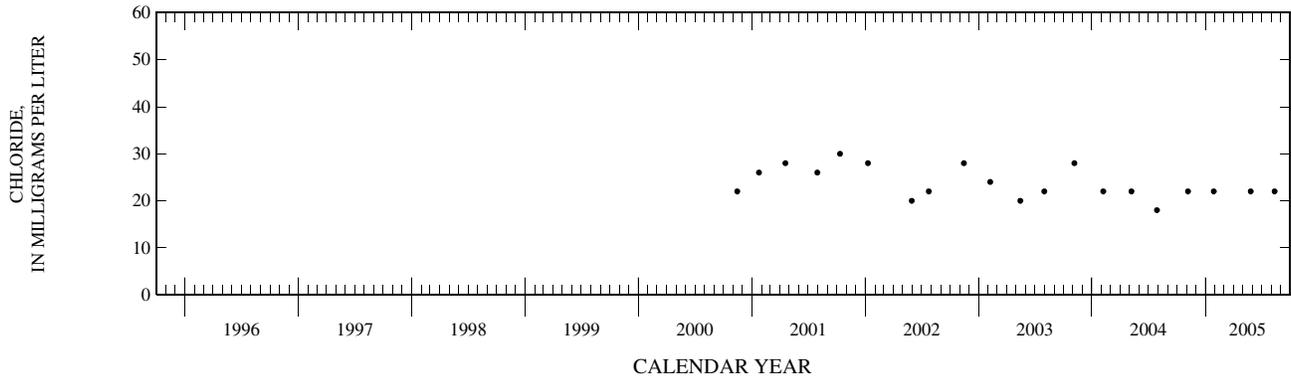
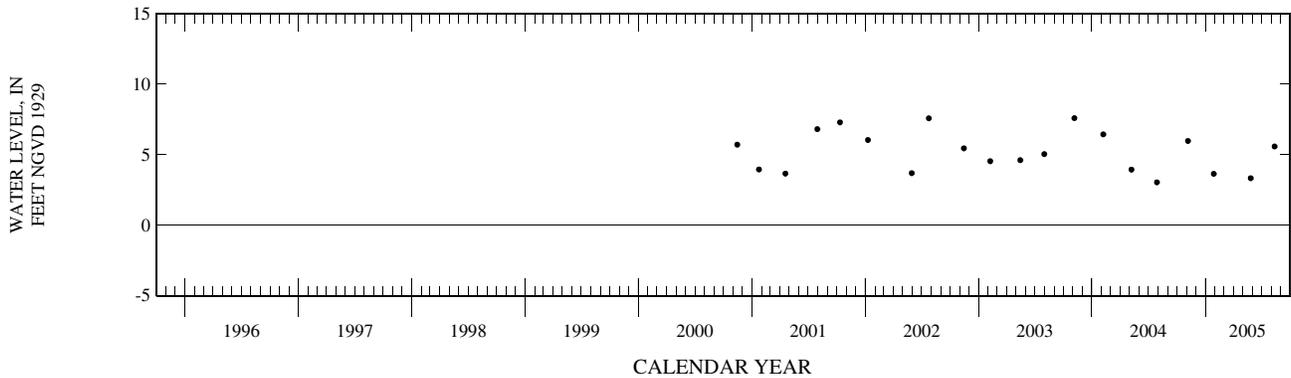
REMARKS.--Well is also monitored for salinity.

PERIOD OF RECORD.--November 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.60 ft NGVD, Nov. 5, 2003; lowest, 3.05 ft NGVD, July 28, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 05...	1420	5.98	440	22.0	MAY 26...	1101	3.34	460	22.0
JAN 27...	1215	3.65	443	22.0	AUG 11...	1200	5.59	460	22.0



BROWARD COUNTY—Continued

WELL NUMBER.--261708080090801. Local Number G 1315. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'08", long 80°09'08", in SW 1/4 NW 1/4 NW 1/4 sec.15, T.48 S., R.42 E., Hydrologic Unit 03090202, 50 ft east of Powerline Road, 0.8 mi north of Sample Road, and 2.3 mi northeast of Coconut Creek.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14 ft.

REVISED RECORDS.--WDR FL-85-2B; 1982.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of casing, 17.59 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 15.4 ft above NGVD.

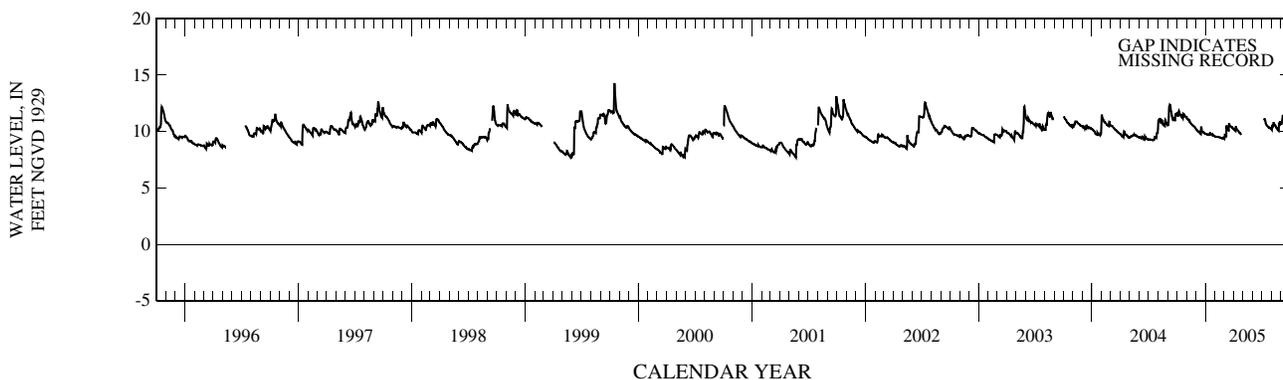
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.27 ft NGVD, Oct. 15, 1999; lowest, 6.26 ft NGVD, Mar. 30, 1990.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.33	11.06	10.08	9.73	9.53	9.64	10.09	---	---	---	10.42	11.08
10	11.56	10.95	9.96	9.71	9.51	10.45	10.26	---	---	11.09	10.63	11.12
15	11.51	10.69	9.80	9.85	9.47	10.09	10.08	---	---	10.65	10.43	10.75
20	11.55	10.54	10.06	9.70	9.41	10.49	9.88	---	---	10.44	10.17	10.67
25	11.43	10.44	9.93	9.65	9.37	10.39	9.73	---	---	10.31	10.71	10.37
EOM	11.27	10.25	9.80	9.56	9.42	10.22	---	---	---	10.24	10.76	10.15
MAX	11.81	11.27	10.35	9.85	9.54	10.65	---	---	---	---	10.81	11.39



BROWARD COUNTY—Continued

WELL NUMBER.--261724080054603. Local Number G 2694. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'24", long 80°05'46", in SE 1/4 SE 1/4 SW 1/4 sec. 7, T.48 S., R.43 E., Hydrologic Unit 03090202, on southeastern corner of NE 49 Street and NE 19 Terrace.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 229 ft.

REVISED RECORDS.--WDR FL-02-2B; 2002. Data published was in error. See REMARKS.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 8.78 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 9.4 ft above NGVD.

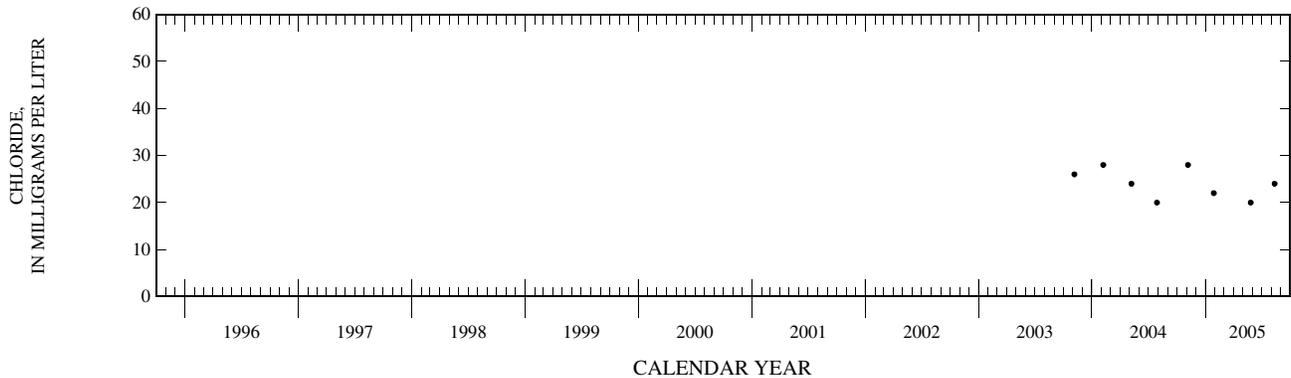
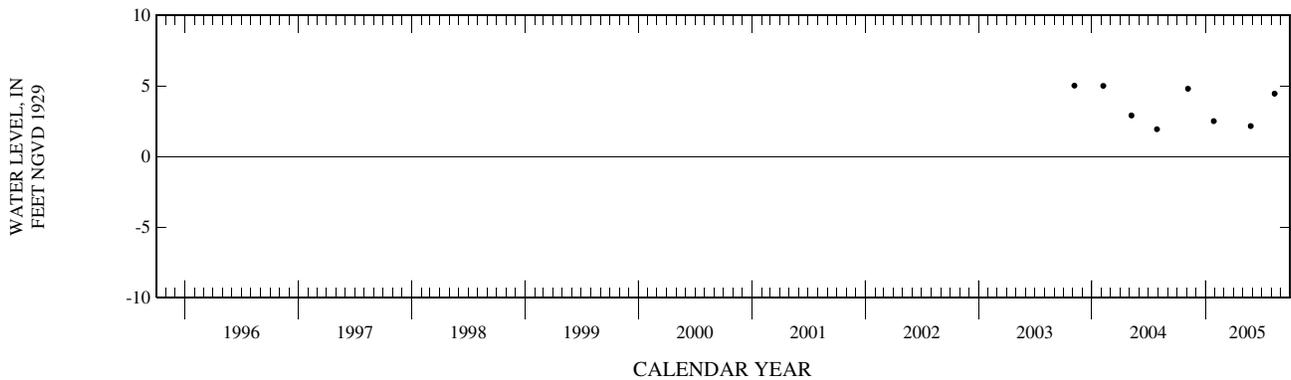
REMARKS.--Well is also used for salinity monitoring. Data published for well G-2694 for the 2000 to 2002 water years was in error. These samples and the samples for the 2003 water year were mistakenly collected from well G-2693 because of an error on a site map. This data has been corrected and moved to the files of the U.S. Geological Survey for well G-2693.

PERIOD OF RECORD.--October 2003 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.03 ft NGVD, Nov. 5, 2003; lowest, 1.94 ft NGVD, July 28, 2004. See REMARKS.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 05...	1340	4.81	343	28.0	MAY 26...	0856	2.16	337	20.0
JAN 27...	1146	2.51	320	22.0	AUG 11...	1127	4.46	355	24.0



## BROWARD COUNTY—Continued

WELL NUMBER.--26173408011301. Local Number G 1213. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'34", long 80°11'13", in SE ¼ NE ¼ SE ¼ sec.7, T.48 S., R.42 E., Hydrologic Unit 03090202, at southeast corner of Winston Park Blvd. and Lyons Road, 1.0 mi east of U.S. Highway 441, and 7.5 mi northwest of Pompano Beach. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 15 ft, cased to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of casing, 20.22 ft above National Geodetic Vertical Datum of 1929. Prior to December 2, 1997, measuring point was top of shelf, 20.60 ft above NGVD. Prior to October 12, 1990, top of shelf was 20.48 ft above NGVD. Prior to July 20, 1987, (previous Well) measuring point was top of casing 17.89 ft above NGVD. Prior to September 1980, top of casing was 17.95 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 18.3 ft above NGVD.

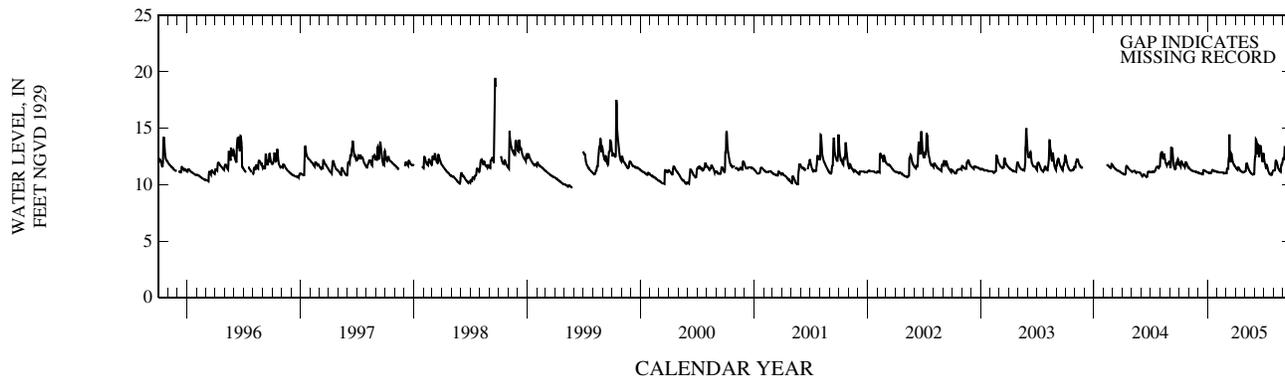
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. This well replaces a 20 ft deep well in the vicinity that was abandoned in 1987. The well name and number were retained for the replacement well. The well is open to the aquifer to a depth of 14.6 ft. In 2003, the well was incorrectly reported as obstructed. The well was damaged and repaired December 1997, January 9, 2002.

PERIOD OF RECORD.--January 1963 to July 1987, (previous well); current well, July 1987 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.38 ft NGVD, Sept. 19, 20, 1998; lowest, 9.39 ft NGVD, June 29, 1989.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.66	11.36	11.01	11.04	11.11	11.44	11.37	11.81	14.03	11.81	11.25	12.62
10	12.01	11.26	10.97	11.02	11.06	12.34	11.53	11.62	12.66	11.74	12.10	12.27
15	11.71	11.20	10.93	11.25	11.09	12.06	11.28	11.25	12.45	11.23	11.60	11.75
20	11.70	11.16	11.29	11.23	11.06	12.46	11.14	11.01	13.24	10.95	11.27	11.58
25	11.94	11.13	11.19	11.20	11.00	11.85	11.08	10.92	12.31	10.92	11.50	11.34
EOM	11.49	11.07	11.07	11.14	11.04	11.58	11.16	10.94	12.72	11.23	12.28	11.35
MAX	12.07	11.52	11.29	11.30	11.12	14.44	11.54	11.88	14.03	12.39	12.28	13.30



BROWARD COUNTY—Continued

WELL NUMBER.--261740080054101. Local Number G 2893. USGS Observation Well near Deerfield Beach, FL.

LOCATION.--Lat 26°17'40", long 80°05'41", in SW 1/4 NW 1/4 SE 1/4 sec.7, T.48 S., R.43 E., Hydrologic Unit 03090202, on NE 52nd Street, 200 ft east of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 176 ft, cased to 166 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 7.77 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.8 ft above NGVD.

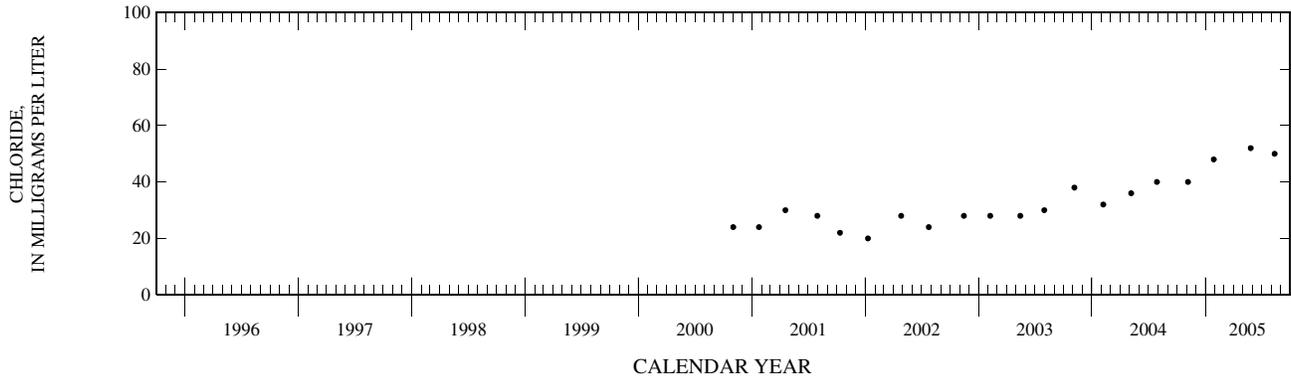
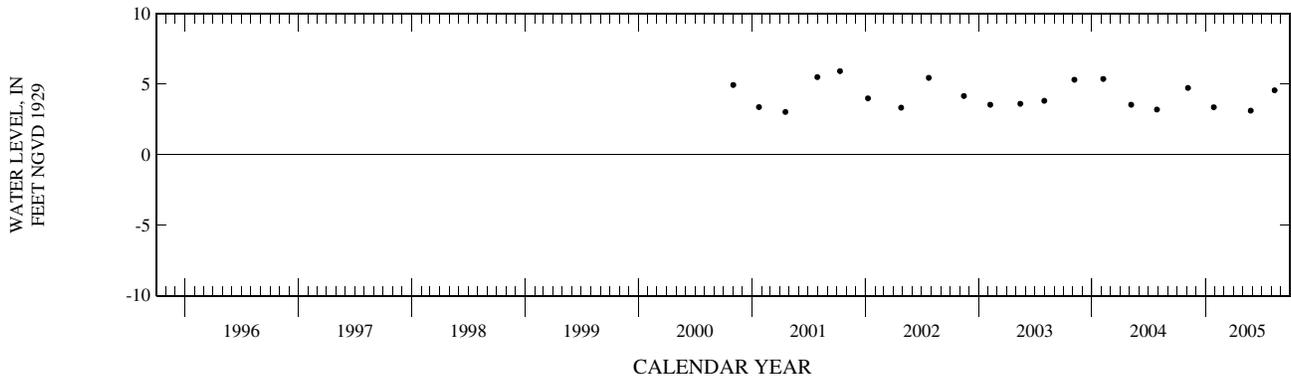
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--November 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.93 ft NGVD, Oct. 11, 2001; lowest, 3.04 ft NGVD, Apr. 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 05...	1301	4.74	381	40.0	MAY 26...	0831	3.13	453	52.0
JAN 27...	1104	3.37	416	48.0	AUG 11...	1109	4.57	432	50.0



BROWARD COUNTY—Continued

WELL NUMBER.--261831080151301. Local Number G 2739. USGS Observation Well in Parkland, FL.

LOCATION.--Lat 26°18'31", long 80°15'13", in NE ¼ SE ¼ sec.4, T.48 S., R.41 E., Hydrologic Unit 03090202, east of University Drive and north of fenced area across from The Landings, 0.5 mi north of Sawgrass Expressway and 0.1 mi south of Holmberg Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 15.06 ft above National Geodetic Vertical Datum of 1929.

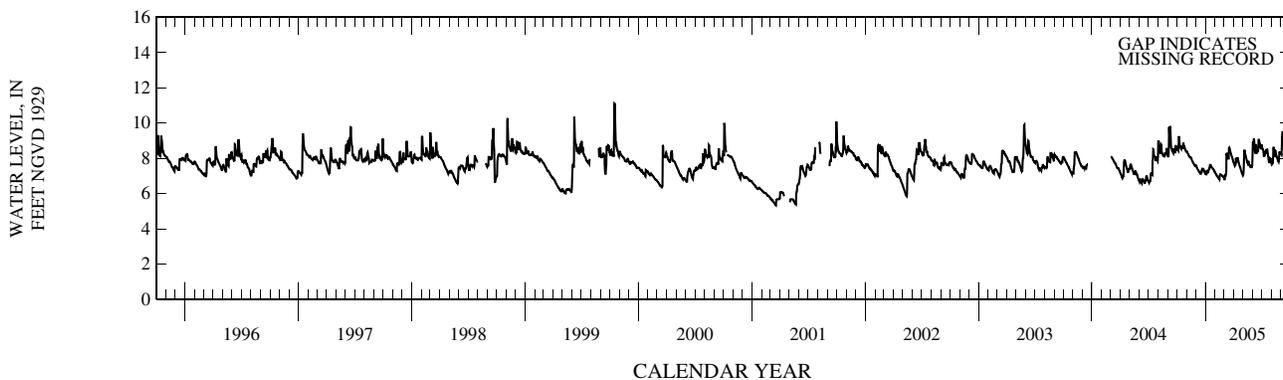
LAND-SURFACE DATUM.--Land surface is approximately 12.3 ft above NGVD.

PERIOD OF RECORD.--December 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.11 ft NGVD, Oct. 15, 1999; lowest, 5.34 ft NGVD, Mar. 18, 2001.

ELEVATION ABOVE NGVD 1929, FEET  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.43	8.25	7.43	7.30	7.05	7.05	7.58	8.44	9.12	8.48	7.74	9.34
10	8.73	8.09	7.27	7.26	6.92	8.26	7.94	8.14	8.32	8.22	8.16	8.61
15	8.66	8.04	7.13	7.63	7.02	7.99	7.94	7.78	8.28	8.47	8.33	8.14
20	8.83	7.81	7.35	7.51	7.06	8.47	7.60	7.74	8.78	8.25	7.99	7.79
25	8.64	7.65	7.38	7.39	6.98	8.15	7.32	7.50	8.71	7.78	7.91	7.64
EOM	8.40	7.59	7.12	7.22	6.92	7.82	7.08	7.57	8.71	7.74	8.26	7.66
MAX	9.26	8.41	7.60	7.63	7.18	8.62	8.02	8.44	9.12	8.70	8.60	9.54



BROWARD COUNTY—Continued

WELL NUMBER.--261903080065601. Local Number G 1260. USGS Observation Well in Deerfield Beach, FL.

LOCATION.--Lat 26°19'03", long 80°06'56", in SW ¼ NE ¼ NW ¼ sec.1, T.48 S., R.42 E., Hydrologic Unit 03090202, on southeast side of the intersection of State Road 810 and U.S. Interstate 95 at Deerfield Beach, 0.9 mi west of Florida East Coast Railroad.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 90 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of casing, 12.21 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 10.9 ft above NGVD.

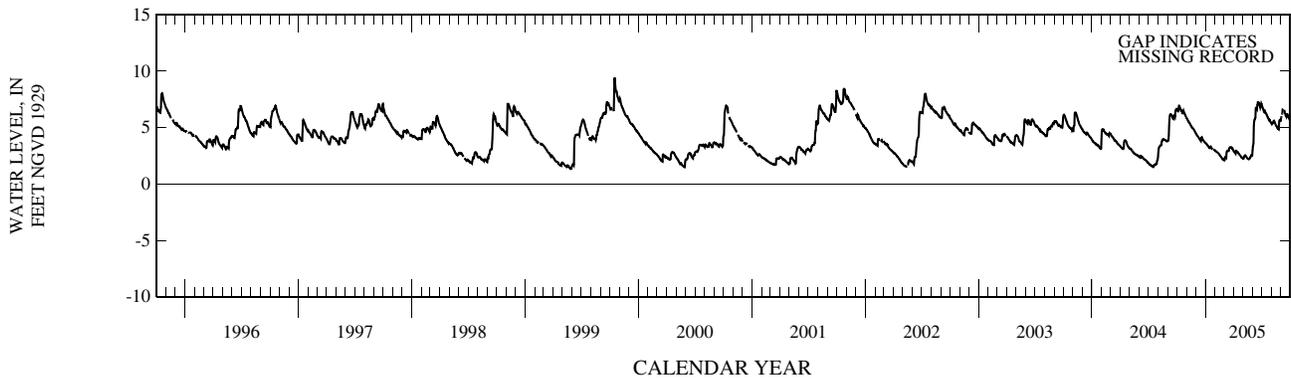
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured (from high-water mark), 13.02 ft NGVD, Oct. 31, 1965; lowest daily maximum water level, 0.71 ft below NGVD, June 20, 23, 1989.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.36	5.61	4.28	3.49	2.85	2.33	2.76	2.47	5.16	6.62	5.38	6.26
10	6.79	5.39	4.08	3.31	2.74	2.85	2.93	2.50	5.84	6.40	5.55	---
15	6.50	5.13	3.85	3.24	2.56	2.94	2.76	2.27	6.65	6.21	5.22	6.14
20	6.43	4.96	4.12	3.17	2.38	3.24	2.59	2.18	7.20	5.90	4.98	6.17
25	6.26	4.77	3.84	---	2.21	3.22	2.42	2.35	6.87	5.69	5.27	5.91
EOM	5.85	4.51	3.64	2.96	2.15	2.99	2.26	2.54	7.06	5.42	5.74	5.63
MAX	6.94	5.84	4.48	---	2.96	3.25	2.94	2.54	7.21	6.95	5.74	---



BROWARD COUNTY—Continued

WELL NUMBER.--261938080101001. Local Number G 2852. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°19'38", long 80°10'10", in NW ¼ NW ¼ SW ¼ sec.33, T.47 S., R.42 E., Hydrologic Unit 03090202, approximately 12 ft south of Hillsboro Canal, 50 yards east of Florida Turnpike, 0.8 mi west of County Road 845 (Powerline Road), and 1.0 mi south of Camino Real Road, approximately 3.0 mi southwest of Boca Raton.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 140 ft, cased to 130 ft, screened 130 to 140 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Measuring point: Top of casing, 18.79 ft above National Geodetic Vertical Datum of 1929. Prior to August 2000, top of casing was considered to be 18.74 ft above NGVD. Prior to November 1995, top of casing was 16.14 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 17.0 ft above NGVD.

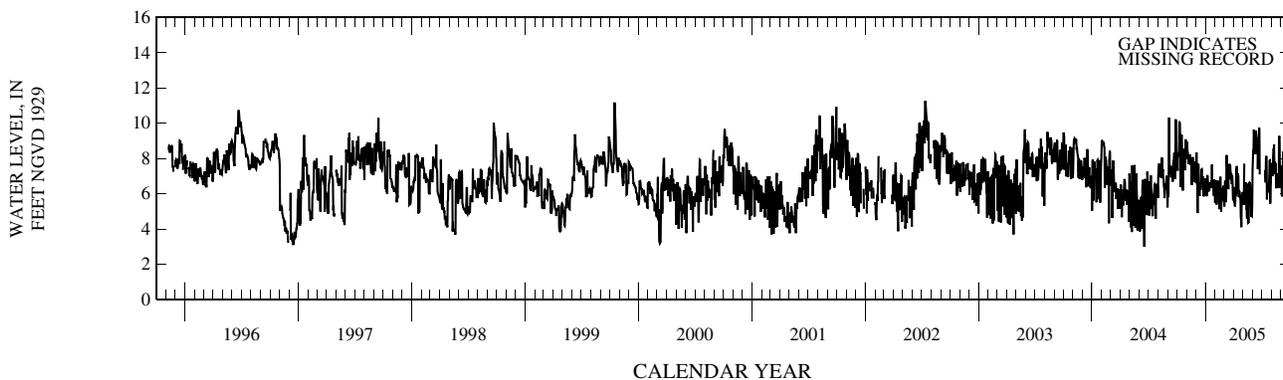
REMARKS.--Well was designated PB 1105 until September 1992 and published under the current station number. Well was also used for salinity monitoring until October 1993. Published figures of water levels as elevation, in ft NGVD, are in error for November 1995 to September 1999. Corrected figures are available in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1988 to May 1990 (semiannual), September 1990 to October 1991 (intermittent), November 1991 to October 1995 (monthly), November 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.27 ft NGVD, July 13, 2002; lowest, 3.00 ft NGVD, June 17, 2004.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.23	8.25	6.47	6.35	5.39	6.67	5.28	7.71	9.64	---	7.03	6.27
10	10.01	8.03	6.80	6.13	6.74	8.20	7.21	5.42	8.24	---	7.64	8.29
15	9.36	7.94	6.22	6.59	5.43	6.26	7.07	6.52	8.82	8.14	7.05	7.82
20	8.18	8.08	7.33	6.33	5.00	7.67	6.12	5.99	8.59	6.08	6.40	6.94
25	7.60	7.12	5.97	6.59	6.18	7.11	4.54	6.07	---	7.37	9.12	5.31
EOM	7.98	7.75	6.80	5.55	6.33	5.66	6.10	5.31	---	7.74	7.60	6.64
MAX	10.11	8.95	8.30	7.66	6.96	8.20	7.58	---	---	---	9.28	8.39



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## BROWARD COUNTY—Continued

## MISCELLANEOUS WATER-LEVEL MEASUREMENTS

Station number	Local ident- i- fier	Lat- i- tude	Long- i- tude	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
260242080101101	G -2697	26 02 42 N	080 10 11 W	20041029	1222	2.04	5020	1540
		26 02 42 N	080 10 11 W	20050415	1336	.92	4950	1540
		26 02 42 N	080 10 11 W	20050706	1143	1.60	5090	1580
		26 02 42 N	080 10 11 W	20050829	1201	1.48	4150	1540